METEORITES NEWS

JAPANESE COLLECTION OF ANTARCTIC METEORITES

Volume 4, Number 1

December 1985

Compiled by

Keizo YANAI

and

Hideyasu KOJIMA

National Institute of Polar Research (NIPR)

Tokyo

INTRODUCTION

The Meteorites News, Japanese collections of Antarctic meteorites, Volume 4, Number 1 have been planed to be published for the purpose of informing scientists of the basic characteristics of the meteorite specimens in the Japanese Collections of Antarctic Meteorites. This issue constitutes the one of such news, and contains data sheets for a number of meteorites collected from the bare ice area near the Yamato Mountains by the Japanese Antarctic Research Expeditions in the field season since 1969. This news also contains data from the meteorites collected in the Victoria Land by the Japan-U. S. joint parties in the 1976-1977, 1977-1978 and 1978-1979 field seasons.

The meteorites news has been prepared by the Department of Antarctic Meteorites, National Institute of Polar Research (NIPR), Tokyo. Copies of sample request form and regulation are enclosed in this issue. Requests for Antarctic meteorite samples for scientific research are welcome from all qualified scientists in the world.

SAMPLE REQUESTS

The Committee on Antarctic Meteorites Research (Chairman; professor Tatsuro Matsuda, Director-General of National Institute of Polar Research) will meet irregularly for the purpose of reviewing requests for Antarctic meteorites.

Requests to samples should be sent to:

Keizo Yanai
Curator of Meteorites
Department of Antarctic Meteorites
National Institute of Polar Research
9-10, Kaga 1-chome, Itabashi-ku,
Tokyo 173, Japan

Telephone: Tokyo (03) 962-4711
Cable Address: POLARESEARCH TOKYO
Telex: 2723515 POLRSC J

REQUIERMENTS AND PROCEDURES FOR ANTARCTIC METEORITES

RESEARCH ON JAPANESE COLLECTIONS

Formal requests for Antarctic meteorite samples for scientific research and display should be submitted in writing along with the formal request form to Professor Tatsuro Matsuda, Drector-General of National Institute of Polar Research, and chairman of the Committee on Antarctic Meteorite Research.

Requests are welcome from all qualified scientists in the world and will be reviewed and considered one or two times each year by the Committee on Antarctic Meteorite Research of the NIPR in Japan. Consortium-type sample requests may also be submitted. When your proposal is accepted by the committee, the requested samples will be allocate to you from the Curator of Meteorites, Department of Antarctic Meteorites of the NIPR.

GUIDELINES OF SAMPLE ALLOCATION

1. Sample allocation may be limited under one gram for each sample.
2. Sample allocation may be under 10 samples for each scientists, because NIPR don't have enough man power and processing facilities to satisfy all requests.
3. All samples are provided as a lone.
4. In principle, under 10 grams meteorites should not be allocated.
5. Ten-fifty grams meteorites should be allocated within 10% of original mass (weight).
6. In a case of museum display, it may be provided on an exchange basis.
7. Sample requests should include detailed sample numbers, preferable weight and minimum weight requirements, sites (crust, outer part, inner part, central part, etc.,), shaps (powder, grains, fragments, chips, cubes, plates, thin section and polished thin section) etc.

SAMPLE DISTRIBUTION

1. Samples for the accepted requests will be allocated as soon as possible. Probably the allocation will be made within 3 months after the committee meeting.
2. Sublease of meteorite samples is not permitted to anybody except co-investigators of the proposed research. If sublease is required to other investigators, a new separate proposal form must be submitted to the Committee on Antarctic Meteorite Research prior to the sample transfer.

SAMPLE RETURN

1. All meteorite samples unused and remained after studies must return to the curator immediately after the period noted in the requist sheet.
2. All polished thin section (P.T.S.) and thin section (T.S.) must return to the curator immediately completion of the proposed research.

REPORTING RESULT

1. Any result of your studies is encouraged to be reported promptly. It is desirable to report at the Symposium on Antarctic Meteorites sponsored by the National Institute of Polar Research. The symposium will be held each year. The presented papers at this symposium will be published as the Proceedings of the symposium after review by the editorial committee of the NIPR. Two referees will read the paper. Instruction to contribution can be obtained from the Library of the NIPR.
2. It is also possible to submit paper to the Antarctic Record and to the Memoirs of the National Institute of Polar Research.
3. Twenty reprints of each article which was published in other journal than those of the National Institute of Polar Research should be sent to the curator by authors.

Technical details of the committee meeting and the procedures will be informed in due course from the secretary of the committee, Dr. Keizo Yanai (Curator of Meteorites).

Please mail to;

Keizo Yanai
Curator of Meteorites
Department of Antarctic Meteorites
National Institute of Polar Research
9-10, Kaga 1-chome, Itabashi-ku,
Tokyo 173, Japan

Japanese Collections of Antarctic Meteorites

Yamato and Belgica Meteorites

Collection Names	Meteorite Names	Abbreviations
Yamato-69 meteorites	Yamato-691 to -699	Y-691 to Y-699
Yamato-73 meteorites	Yamato-7301 to -7312	Y-7301 to Y-7312
Yamato-74 meteorites	Yamato-74001 to -74663	Y-74001 to Y-74663
Yamato-75 meteorites	Yamato-75001 to -75308	Y-75001 to Y-75308
Yamato-79 meteorites	Yamato-790001 to -794093	Y-790001 to Y-794093
Belgica-79 meteorites	Belgica-7901 to -7905	B-7901 to B-7905
Yamato-80 meteorites	Yamato-8001 to -8014	Y-8001 to Y-8014
Yamato-81 meteorites	Yamato-81001 to -81113	Y-81001 to Y-81113
Yamato-82 meteorites	Yamato-82001 to -82211	Y-82001 to Y-82211
Yamato-83 meteorites	Yamato-8301 to -8342	Y-8301 to Y-8342
Yamato-84 meteorites	Yamto-8401 to -8459	Y-8401 to Y-8459

Victoria Land Meteorites

Collection Names	Meteorite Names	Abbreviations
Mount Baldr meteorites	Mount Baldr a and b	MBR a and MBR b
Allan Hills-76	Allan Hills-761 to -769	ALH-761 to ALH-769
Allan Hills-77 meteorites	Allan Hills-77001 to -77307	ALH-77001 to ALH-77307
Purgatory Peak-77 meteorite	Purgatory Peak-77006	PGP-77006
Allan Hills-78 meteorites	Allan Hills-78001 to -78262	ALH-78001 to ALH-78262
Bates Nunatak-78 meteorites	Bates Nunatak-78001 to -78005	BTN-78001 to BTN-78005
Derrick Peak-78 meteorites	Derrick Peak-78001 to -78010	DRP-78001 to DRP-78010
Meteorite Hills-78 meteorites	Meteorite Hills-78001 to -78028	MET-78001 to MET-78028
Reckling Peak-78 meteorites	Reckling Peak-78001 to -78005	RKP-78001 to RKP-78005

Tentative Catalog of the Japanese collections of Antarctic Meteorites

Information in the catalog for Antarctic meteorite specimens include inventory data, initial survey data and other pertinent sample information. The inventory data include a sample identification number and specimen weight. Initial survey data consist of a classification by an optical and chemical examination of a specimen, and analysical data of %Fa in olivines and %Fs in pyroxenes with information about degree of weathering and others.

The scale for apparent degree of weathering is like that used in the NASA curatorial facilities.
Degree of Weathering; A minor, B moderate, C severe

If you would like to obtain additional copies of the news, please contact Curator of Meteorites (Dr. K. Yanai), Department of Antarctic Meteorites, National Institute of Polar Research.

We would like to thank Satsuki Ikadai, Masako Hirata, Miyuki Naito and Nami Goryo for their assistance on the completion of this issue.

Literature Cited

Marvin, U.B. and B. Mason, editors (1984):
Field laboratory investigations of meteorites from Victoria Land, Antarctica. Smithsonian Contributions to the Earth Sciences, 26, 134 pages.

Terminology

Class and type: Ano = lunar meteorite (anorthositic relolith breccia); Aub = aubrite; C = carbonaceous chondrite (CM, CV, CR, CO); Dio = diogenite; E = enstatite chondrite; Euc = eucrite; H = high-iron chondrite; How = howardite; Iron (IA, IIA, IIB, Anom = iron groups); L = low-iron chondrite; LL = low-iron low-metal chondrite; Lod = lodranite; Mes = mesosiderite; She = shergottite; Unique = ungrouped meteorite; Ure = ureilite. Chondrite type is indicated by the digit following the letter.

Olivine composition in mole percent Fe_2SiO_4(Fa). Pyroxene (ortho-pyroxene or low-Ca clinopyroxene) composition in mole percent $FeSiO_3$(Fs).

Degree of weathering: A = minor; metal flecks have inconspicuous rust halos, oxide stain along cracks is minor. B = moderate; metal flecks show large rust halos, internal cracks show extensive oxide stain. C = severe; specimen is uniformly stained brown, no metal survives.

Location: ALH = Allan Hills; B = Belgic Mountains; BTN = Bates Nunatak; DRP = Derrick Peak; MBR = Mount Baldr; MET = Meteorite Hills; PGP = Purgatory Peak; RKP = Reckling Peak; Y = Yamato Mountains.

Abbreviations: n.d. = no data. * = Degree of weathering. ( ) in weight column = American has its original mass.

(A): characteristic granoblastic texture; (B): characteristic intermediate composition between diogenites and eucrites; (Br): brecciated texture; (mon): monomict texture; (pol): polymict texture.

Classification: by K. Yanai, B. Mason, A. Graham, and H. Kojima.

Table 1. Japanese Collections of Antarctic Meteorites

Meteorite Name	Date of find	Iron	Stony-Iron	Chond-rite	Achond-rite	*	**	Total	Search Party
Yamato-69	1969.12			7	1	1		9	JARE-10
Yamato-73	1973.12			11	1			12	JARE-14
Yamato-74	1974.11-12		2	630	28	3		663	JARE-15
Yamato-75	1975-76	2	1	290	12	3		308	JARE-16
Mt.Baldr	1976.12			2				2	Joint Japan-U.S.A.
Allan Hills-76	1977.1	1		7	1			9	
Allan Hills-77	1977-78	6	1	234	4	3		248	
Purgatory Peak	1978.1	1						1	
Derrick Peak-78	1978-79	5						5	
Meteorite Hills-78	1978-79			28				28	
Bates Nunatak-78	1978-79			5				5	
Allan Hills -78	1978-79	2		173	8	1		184	
Reckling Peak-78	1978-79			5				5	
Yamato-79	1979-80	7	1	3,558	79	31		3,676	JARE-20
Belgica-79	1979.12			4		1		5	JARE-20
Yamato-80	1980-81		1	11	1			13	JARE-21
Yamato-81	1981-82			123	2	7	1	133	JARE-22
Yamato-82	1982-83			179	21	10	1	211	JARE-23
Yamato-83	1983.12			42				42	JARE-24
Yamato-84	1984.12						59	59	JARE-25
Total		24	6	5,309	158	60	61	5,618	

* : Carbonaceous Chondrite (March 1986)
** : Unidentified
JARE : Japanese Antarctic Research Expedition

Table 2. Types of Meteorite in the Japanese Collections of the Yamato Meteorites

	Y-69	Y-73	Y-74	Y-75	Y-79	Y-80	Y-81	Y-82	Y-83	Y-84	Total
E chondrite	1		2		205						208
H3			9	5	15			1			30
L3			5		1			1			7
LL3			2	1	1						4
L-LL3				2							2
H4	1	3	52	11	213						280
L4			9	11	4						24
LL4			3	1							4
H5	3	2	236	11	68			1			321
L5			7	5	6						18
LL5			1	3							4
H6	2	2	218	14	33						269
L6		3	71	216	71			2			363
LL6		1	5	5	2						13
C.chondrite	1		4	3	31		7	15			61
Shocked ch.			2		179						181
Ungrouped ch.			6	5							11
Iron				2	7						9
Pallasite			1								1
Mesosiderite											0
Lodranite			1	1	1	1					4
Aubrite					1						1
Ureilite			4		3			1			8
Diogenite	1		22	7	30	1	2	5			68
Howardite		1			15			3			19
Eucrite			3	5	39			10			57
Anorth.Br.					1			2			3
Unclassified	0	0	0	0	2750	11	124	170	42	59	3156
Total	9	12	663	308	3676	13	133	211	42	59	5126

Table 3. Types of Meteorite in the Collections of the Victoria Land Meterites

	MBR	ALH-76	ALH-77	ALH-78	BTN-78	MET-78	RKP-78	DRP-78	PGP-78	Total
E chondrite			2							2
H3			1	1						2
L3			40	4						44
LL3		1	2	2						5
L-LL3			2	1						3
H4			34	15		1	2			52
L4			2	3						5
LL4				2						2
H5	1		131	57		1				190
L5			5							5
LL5			1	2						3
H6	1	2	26	23		2				54
L6		4	33	27	2	4	2			72
LL6			1	1	1					3
Shocked			1							1
Ungrouped			1	1						2
C.C			4	1						5
Iron		1	6	2				9	1	19
Pallasite										0
Mesosiderite			1							1
Lodranite										0
Aubrite				1						1
Ureilite			1	2						3
Diogenite			1							1
Howardite				1						1
Eucrite		1	1	3						5
Shergottite			1							1
Anorth.Br.										0
Unclassified	0	0	0	112	1	20	1	0	0	134
Total	2	9	297	261	4	28	5	9	1	616

Table 4. Meteorites listed by seasons and source area in numerical sequence

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
1	Yamato-691	715	E3	(0.1-1.3)	(0.5-6.7)		Pl(An32-75), En99.0-99.3Wo0.2-0.3, tro. nini, oldh perr. schr. metal(2.2-2.5%Ni, 0.16-0.22%Co)
2	Yamato-692	138	Dio(A)		23.6(22.2-25.7)		to Y-74013, En74.0Fs23.8Wo2.2, chro., tro., metal
3	Yamato-693	150	C4	29.3(28.1-32.2)	(23.9-26.2)		
4	Yamato-694	62	H6	19.5(18.9-20.7)	17.0(15.9-17.8)		Pl(An11.5-12.6, Or5.4-6.5)
5	Yamato-695	38	H5	18.9(18.4-20.2)	16.6(15.7-17.5)		Pl(An12.9, Or5.0), merrillite
6	Yamato-696	41	H5	19.0(18.0-20.5)	16.5(15.9-17.1)		
7	Yamato-697	25	H4-5	18.9(18.0-21.2)	16.2(15.3-18.4)		apatite
8	Yamato-698	10	H6	19.1(17.8-20.6)	16.7(15.9-17.5)		Pl(An12.0, 12.8)
9	Yamato-699	10	H5	19.0-(17.9-20.6)	16.6(15.8-17.4)		
10	Yamato-7301	650	H5-6	18.8(17.9-19.4)	16.5(16.2-17.0)		Pl(An11.0-12.5), En48.5Fs6.0Wo45.5, chromite, ap.
11	Yamato-7302	11	H4	19.6(17.9-34.1)	16.5(16.3-16.9)		Pl(An12.2), merri., En72.4Fs13.7Wo13.9
12	Yamato-7303	3.5	H4	18.8(18.2-20.0)	16.8(15.7-18.2)		Pl(An11.6, Or4.3), merri.
13	Yamato-7304	500	L6	24.6(23.2-25.8)	20.9(20.5-21.1)		merri., ap.
14	Yamato-7305	900	L6	24.3(23.1-25.0)	20.4(20.2-20.7)		Pl(An9.3-11.9, Or5.2-9.3), chromite
15	Yamato-7306	4.8	H6	18.1(17.2-18.7)	15.8(15.1-16.2)		Pl(An10.0-13.3, Or3.5-17.3), chromite
16	Yamato-7307	18.1	LL6	29.2(28.4-30.3)	23.5(23.0-23.9)		Pl(An9.8-10.7), merri., chromite
17	Yamato-7308	480	How	(14.9-33.0)	(20.5-57.0)		Pl(An84.5-96.2), metal(3.2-54.2%Ni, 0.1-0.4%Co)
18	Yamato-7309	9.0	L6-5	22.5(21.4-24.0)	19.0(18.2-19.9)		En32.7-444.0Fs14.5-23.2Wo40.1-41.5, trid.chro.il. Pl(An8.8), merri.
19	Yamato-7310	7.0	H4	18.5(17.4-19.5)	16.3(15.4-16.8)		
20	Yamato-7311	20.3	H6	19.0(18.1-21.0)	16.5(15.9-17.8)		Pl(An11.5), maskl.
21	Yamato-7312	39.8	H5	19.1(18.2-20.1)	16.5(15.7-17.2)		Pl(An11.1), merri.

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
1	Yamato-74001	246.1	H5	18.3(17.2-19.5)	16.1(15.5-16.6)	C	with H4 clast
2	Yamato-74002	69.7	LL4	27.9(26.7-28.4)	22.9(22.5-23.4)	A	
3	Yamato-74003	15.5	L6	25.2(24.6-25.9)	21.1(20.7-22.2)		maskelynite
4	Yamato-74004	8.05	H5	19.0(17.1-20.1)	16.7(15.9-17.3)		
5	Yamato-74005	3.69	Dio(A)	-		A	to Y-74013, chromite
6	Yamato-74006	35.83	H6	19.1(18.2-20.7)	16.5(15.0-17.1)		En62.9Fs10.6Wo26.6, En48.9Fs6.1Wo44.9
7	Yamato-74007	162.3	L6	24.8(24.3-25.7)	20.6(19.9-21.5)	B	Pl(An9.8-11.7, 24.5)
8	Yamato-74008	14.31	H	18.5(17.3-21.9)	16.2(14.8-19.8)		shocked
9	Yamato-74009	8.97	L5	24.5(23.4-25.4)	20.6(20.0-21.6)		apatite, merrillite
10	Yamato-74010	298.5	Dio(A)	-	23.5(21.4-24.7)	A	En73.9-75.2Fs22.9-23.6Wo1.9-2.5, chromite
11	Yamato-74011	206.0	Dio(A)	-	24.3(23.0-25.6)	A	En72.1-74.6Fs24.4-24.9Wo2.5-3.0, chromite
12	Yamato-74012	75.4	H5	18.9(18.1-19.9)	15.5(16.1-17.0)	B	
13	Yamato-74013	2059.5	Dio(A)	-	24.3(23.0-25.6)	A	to Y-74013, En72.3-74.8Fs23.2-24.8Wo2.0-2.9, chro. chro., tro.
14	Yamato-74014	2367.9	H6	18.8(17.8-19.5)	16.3(15.7-16.7)	B	Pl(An10.7-11.6, 24.6)
15	Yamato-74015	88.0	L6	24.6(23.6-25.9)	20.3(19.4-21.0)	B	Pl(An12.1), merri., maskl.
16	Yamato-74016	11.54	H6	19.1(18.1-19.9)	16.8(15.8-17.6)		En48.9Fs6.1Wo45.0, merrillite
17	Yamato-74017	3.23	H6				same as Y-74016
18	Yamato-74018	5.25	LL6	29.8(28.8-30.5)	24.1(23.8-24.5)		Pl(An9.6, 9.9), merrillite
19	Yamato-74019	6.02	H4	18.8(18.0-20.1)	16.1(15.4-18.5)		merrillite, apatite
20	Yamato-74020	0.56	L5	24.3(23.5-24.9)	20.7(20.2-21.3)		
21	Yamato-74021	39.3	H5	18.8(17.9-21.8)	16.0(15.3-16.6)	C	merrillite
22	Yamato-74022	34.7	LL5	26.7(25.7-29.0)	22.1(21.7-22.6)	A	
23	Yamato-74023	6.30	L6	22.9(21.8-24.7)	19.4(18.4-20.0)		
24	Yamato-74024	50.0	L3	22.8(0.8-26.0)	10.5(2.4-18.7)	A	
25	Yamato-74025	14.0	Unique	1.6 (1.3-2.3)	2.2 (1.7-2.4)		Pl(An15.1-26.8), En53.3Fs1.0Wo45.7
26	Yamato-74026	5.24	H6	19.4(18.6-20.0)	17.0(16.7-17.5)		
27	Yamato-74027	35.7	L6	25.4(24.4-26.8)	20.8(20.4-21.4)		granular part (clast)
28	Yamato-74028	90.2	L6	24.7(24.4-25.0)	21.0(20.4-22.2)	B	En45Fs7Wo46, Pl(An10.1-11.2), chromite
29	Yamato-74029	4.3	H4	17.9(17.1-18.5)	15.6(14.7-16.2)		Pl(An9.7-10.8), merri., angular troilite
30	Yamato-74030	7.82	L6	25.3(24.5-26.9)	21.2(20.2-22.3)		Pl(An10.1), apatite
31	Yamato-74031	6.1	Dio(A)	-		A	to Y-74013, chromite
32	Yamato-74032	14.1	H4	19.0(18.4-20.4)	16.8(16.1-17.1)		En57.3Fs9.1Wo33.6, merrillite
33	Yamato-74033	2.9	L3	16.5(4.2-28.1)	22.5(0.7-28.1)		
34	Yamato-74034	27.6	H4	19.1(18.2-20.0)	16.3(15.9-17.0)		
35	Yamato-74035	115.7	L6	24.7(22.6-25.7)	20.6(19.6-21.5)	B	Pl(An10.0-10.3), apatite, merrillite
36	Yamato-74036	201.4	L6	24.7(23.6-25.8)	20.6(19.6-21.4)	B	Pl(An9.5-12.5)
37	Yamato-74037	591.9	Dio(A)	-	24.1(23.0-25.5)	A	to Y-74013, chromite
38	Yamato-74038	208.9	H5	19.0(17.6-20.2)	16.6(16.0-18.0)	B	merrillite
39	Yamato-74039	47.6	L6	24.6(23.8-25.5)	20.5(18.6-21.3)	A	Pl(An9.1-11.9), merrillite, apatite
40	Yamato-74040	35.17	L6	24.4(23.8-25.8)	20.5(19.4-21.5)		Pl(An9.6-12.0)
41	Yamato-74041	1.79	H5	18.6(17.7-20.3)	16.9(15.9-18.2)		
42	Yamato-74042	3.85	H4	18.1(15.3-22.0)	15.5(14.3-16.3)		
43	Yamato-74043	5.19	H4	19.1(14.7-21.3)	15.4(6.9-24.2)		
44	Yamato-74044	51.8	Pal	11.9(10.5-12.4)	-	B	metal(10.6%Ni 0.75%Co),chro.tro.taen.(46.9%Ni)
45	Yamato-74045	39.82	L6	25.1(24.2-26.3)	21.1(20.9-21.5)		Pl(An9.0, 9.3)
46	Yamato-74046	2.22	H6	25.0(24.3-26.0)	20.9(20.2-21.6)		
47	Yamato-74047	2.22	L4	23.2(22.4-25.8)	19.9(17.8-21.1)		
48	Yamato-74048	67.1	LL6	29.7(28.7-30.4)	24.2(23.2-25.6)	B	Pl(An10.1, 10.4), merrillite, apatite
49	Yamato-74049	13.12	H4	19.1(17.7-20.1)	17.1(15.6-19.2)	B	to Y-74064 except Y-74063, with Clast
50	Yamato-74063	35.41	Unique	10.9(10.5-11.4)	10.9(10.3-12.5)		Pl(An13.5), En50.7-52.1Fs4.1-4.7Wo43.4-45.0
51	Yamato-74065	24.5	L6	24.4(23.2-24.6)	20.2(19.6-21.1)	A	to Y-74066, with L4 clast
52	Yamato-74067	4.0	H6	19.2(18.1-20.0)	16.6(15.3-18.0)		Pl(An11.4)
53	Yamato-74068	5.41	H5	19.0(18.4-21.1)	16.9(15.4-19.5)		merrillite
54	Yamato-74069	18.57	H6	19.9(19.1-20.5)	17.2(16.2-18.1)		Pl(An10.3, 11.1, 12.2, 12.3)
55	Yamato-74070	194.4	H5	18.5(17.9-19.6)	16.6(15.9-17.2)	B	to Y-79075
56	Yamato-74076	20.36	L6	24.5(23.5-25.2)	20.3(19.7-20.9)		
57	Yamato-74077	5575.1	L6	21.8(20.9-23.2)	18.4(17.5-19.1)	A	
58	Yamato-74078	15.88	H4	19.5(18.8-20.3)	17.0(16.7-17.6)		Pl(An12.9)
59	Yamato-74079	620.8	H5	17.3(16.4-18.6)	15.6(15.1-16.7)	A/B	Ca-rich cpx, spinel
60	Yamato-74080	536.9	L6	24.8(23.8-26.8)	20.6(20.3-21.0)	A	En46Fs8Wo46
61	Yamato-74081	102.5	H4	18.3(17.3-19.6)	15.9(15.4-16.4)	C	En48.3Fs6.0Wo44.7
62	Yamato-74082	179.8	H4	19.0(18.0-20.1)	16.9(15.8-18.4)	B	merrillite
63	Yamato-74083	3.31	H4	17.7(16.7-18.2)	15.6(14.5-16.5)		
64	Yamato-74084	2.26	L6	24.6(23.7-25.6)	20.7(20.3-21.7)		Pl(An10.6, 11.0)
65	Yamato-74085	30.5	H4	18.2(16.9-19.3)	15.9(14.9-16.9)	B/C	En72.4Fs13.4Wo14.2, En48.4Fs6.4Wo45.1
66	Yamato-74086	0.97	H5	18.2(17.6-19.0)	15.9(15.5-16.2)		
67	Yamato-74087	0.78	L6	24.9(24.2-25.6)	20.8(19.8-21.2)		
68	Yamato-74088	14.28	H4	17.6(16.9-18.3)	15.9(14.4-19.3)		shocked
69	Yamato-74089	43.36	H4	17.6(17.1-18.1)	15.5(15.2-15.9)		
70	Yamato-74090	1.01	L6	24.9(24.0-25.7)	20.7(20.0-22.4)		Pl(An9.4-10.6), apatite, merrillite

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
71	Yamato-74091	2.30	L6	24.5(23.5-25.2)	20.8(20.4-21.6)		
72	Yamato-74092	3.23	H6	19.3(18.6-20.0)	16.7(16.1-17.3)		Pl(An11.6)
73	Yamato-74093	6.59	L6	24.8(23.6-26.1)	20.8(20.1-21.7)		maskelynite
74	Yamato-74094	867.2	H6	19.0(17.5-19.8)	16.6(15.9-17.2)	C	with clast
75	Yamato-74095	65.92	H5	25.2(24.5-26.4)	20.8(19.2-21.7)		Pl(An9.5), En47.0Fs8.1Wo44.9
76	Yamato-74096	16.19	Dio(A)	-		A	to Y-74013, chromite
77	Yamato-74097	2193.9	Dio(A)	-	23.7(22.9-25.0)	A	to Y-74013, chromite
78	Yamato-74098	9.10	H5	18.9(17.1-19.7)	16.9(16.7-17.0)		
79	Yamato-74099	27.36	H5	18.6(17.8-19.3)	16.2(15.7-16.7)		
80	Yamato-74100	15.45	L6	25.8(24.5-26.7)	20.9(19.9-21.5)		
81	Yamato-74101	9.10	H5	18.9(17.3-20.4)	16.5(15.7-18.0)		
82	Yamato-74102	2.99	H5	18.8(17.5-19.5)	16.4(15.4-17.1)		with H6 clast
83	Yamato-74103	21.59	H6	19.3(18.8-20.3)	17.2(16.7-17.7)		Pl(An11.5, 12.1, 12.5), merrillite
84	Yamato-74104	21.8	H6	19.2(18.5-20.1)	16.7(15.0-17.4)		Pl(An10.9-12.1)
85	Yamato-74105	25.66	H6	19.4(18.6-20.2)	16.8(16.2-17.5)		Pl(An11.2-12.2), En48.4Fs6.6Wo45.0
86	Yamato-74106	146.6	H6	17.9(17.1-18.7)	15.8(15.1-16.4)		Pl(An12.1)
87	Yamato-74107	114.0	H5	18.2(17.1-19.1)	16.0(13.7-17.2)		
88	Yamato-74108	139.3	H5	18.3(17.7-18.8)	15.9(14.0-17.1)		
89	Yamato-74109	43.67	Dio(A)	-		A	to Y-74013, chromite
90	Yamato-74110	90.1	H5	18.5(17.1-19.4)	16.1(15.4-17.4)	C	
91	Yamato-74111	58.0	H5	18.3(17.2-19.4)	16.0(14.6-17.7)	B/C	
92	Yamato-74112	45.52	H5	18.7(18.2-19.3)	16.5(15.5-18.5)		brecciated
93	Yamato-74113	28.21	H5	18.4(17.8-19.3)	16.2(15.6-16.9)		brecciated, Pl(An11.9), merrillite
94	Yamato-74114	42.28	L4	24.7(23.7-25.6)	20.7(19.8-22.1)		merrillite, En46.8Fs6.5Wo46.7
95	Yamato-74115	1045.1	H5	17.7(16.9-18.8)	15.8(14.2-16.8)	B	merrillite
96	Yamato-74116	68.9	L5	24.6(23.1-25.5)	20.5(19.9-21.1)	C	Pl(An9.9)
97	Yamato-74117	80.2	L6	24.6(24.1-25.1)	20.4(19.5-21.3)	A	Pl(An10.0-12.9), merrillite, chromite
98	Yamato-74118	845.1	L6	24.5(23.4-25.2)	20.8(19.7-21.6)	A	Pl(An8.3, 7.5)
99	Yamato-74119	4.36	L6	24.9(23.8-27.7)	21.0(20.0-22.6)		Pl(An9.3-10.1), maskelynite
100	Yamato-74120	90.5	L6	24.8(24.4-25.2)	21.1(20.4-22.4)	B	Pl(An9.6-12.2), maskelynite
101	Yamato-74121	8.53	H6	19.7(18.9-20.4)	17.1(16.2-18.3)		Pl(An11.8-13.7), En47.4Fs5.6Wo47.0
102	Yamato-74122	54.89	H4	17.5(16.6-19.1)	15.4(14.6-16.5)		merrillite
103	Yamato-74123	69.9	Ure	(6.6-21.4)	(17.4-18.1)	B	En75Fs18.4Wo6.6
104	Yamato-74124	62.4	H4	18.5(16.9-19.2)	15.8(14.9-16.7)	B	Pl(An12.1), En51.6Fs16.2Wo42.3
105	Yamato-74125	107.0	Dio(A)	-		A	to Y-74013, chromite
106	Yamato-74126	14.52	Dio(A)	-		A	to Y-74013, chromite
107	Yamato-74127	19.20	L6	24.7(23.7-25.8)	20.6(19.5-21.2)		Pl(An9.0-10.5)
108	Yamato-74128	40.98	L6	25.0(24.4-26.5)	21.1(20.5-21.6)		Pl(An10.3), En45.8Fs8.7Wo45.4
109	Yamato-74129	6.57	L6				as same as Y-74128
110	Yamato-74130	17.9	Ure	(8.2-22.4)	(17.7-19.1)	C	En55.3Fs12.7Wo32.1
111	Yamato-74131	18.06	H5	19.1(17.8-21.0)	16.6(15.4-17.4)		with H6 clast
112	Yamato-74132	2.37	H5	18.4(17.0-19.9)	16.0(15.3-16.7)		Pl(An11.7), merrillite
113	Yamato-74133	3.36	H4	18.5(17.5-19.1)	16.0(15.3-17.2)		
114	Yamato-74134	3.08	H4	18.8(17.8-19.5)	16.4(15.3-17.7)		
115	Yamato-74135	7.75	CO3	1.9(0.1-28.2)	5.6(0.5-10.8)		
116	Yamato-74136	725.0	Dio(A)	-	23.4(22.3-23.9)	A	to Y-74013, chromite, troilite
117	Yamato-74137	26.32	H6	19.2(18.2-21.0)	16.7(15.8-17.6)		shocked
118	Yamato-74138	41.87	H3	17.1(0.3-36.9)	14.5(3.0-25.9)	A/B	to Y-74141, En48.7Fs5.7Wo45.5, tridymite
119	Yamato-74142	29.5	H3	16.9(10.9-27.9)	13.4(1.0-16.9)	A	tridymite
120	Yamato-74143	4.89	H6	19.0(17.5-20.0)	16.6(15.8-18.2)		shocked
121	Yamato-74144	141.4	L6	24.8(24.3-26.2)	21.0(19.9-21.8)	B	Pl(An11.2), maskelynite, merrillite
122	Yamato-74145	0.6	H6	18.7(17.4-19.6)	16.5(15.0-17.3)		Pl(An12.0), merrillite
123	Yamato-74146	8.55	H4				same as Y-74147
124	Yamato-74147	5.93	H4	17.2(16.3-18.3)	15.1(14.1-15.9)		
125	Yamato-74148	1.02	H5	18.5(15.3-23.5)	16.2(15.3-17.3)		
126	Yamato-74149	0.70	H6	18.1(17.4-19.1)	15.8(14.8-16.5)		Pl(An13.3, 13.1)
127	Yamato-74150	33.56	Dio(A)	-		A	to Y-74013, chromite
128	Yamato-74151	49.42	Dio(A)	-		A	to Y-74013, chromite
129	Yamato-74152	3.92	H4	18.3(17.1-18.8)	16.0(15.2-16.3)		
130	Yamato-74153	6.17	L4	24.6(23.5-26.5)	20.5(19.8-22.8)		
131	Yamato-74154	2.83	Ure	(4.9-15.4)	(10.0-11.0)	A	recrystalline, En78.8-87.7Fs6.0-13.1Wo2.7-12.5
132	Yamato-74155	3788.1	H4	18.5(17.6-19.2)	16.0(14.5-17.9)	A	to Y-74156, chromite, Ca-rich cpx.
133	Yamato-74157	135.81	L6	24.8(23.6-25.7)	20.5(19.7-21.8)	B	to Y-74158, merrillite
134	Yamato-74159	98.2	Euc(pol)	72.2	(26.7-52.5)	A	Pl(An68.1-94.8), En19.2-68.9Fs26.7-59.6Wo2.3-38.0
249	Yamato-74159						basaltic clast, En18.1-65.9Fs28.7-56.6Wo5.4-28.4, pl(An79.8-89.7)
					(27.4-32.2)		glassy clast, En20.6-68.3Fs27.4-55.5Wo3.5-23.9, pl(An81.1-93.7)
135	Yamato-74160	31.4	LL7	29.4(28.2-31.6)	23.1(22.0-26.3)	A	Pl(An4.5-22.8), En42.7Fs11.1Wo41.8
136	Yamato-74161	42.09	L6	24.9(24.1-25.7)	20.7(20.0-21.2)		
137	Yamato-74162	3.86	Dio(A)	-		A	to Y-74013, chromite
138	Yamato-74163	134.2	H5	17.7(16.7-18.6)	15.8(15.0-16.5)	C	
139	Yamato-74164	248.8	L6	24.8(24.2-25.5)	20.7(19.9-21.9)	A	Pl(An9.3-10.6), En46.6Fs8.1Wo45.3, merri.
140	Yamato-74165	203.4	L4	24.7(23.9-25.4)	20.4(19.9-20.7)	C	Pl(An10.8), maskelynite

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
141	Yamato-74166	5.16	H3	18.1(17.6-19.4)	15.5(13.8-16.4)	B	to Y-74170 except Y-74168
142	Yamato-74168	1.59	E5	0.1(0-2.4)	0.5	B	
143	Yamato-74171	4.65	LL3	10.2(3.2-26.7)	25.3(6.7-30.7)		
144	Yamato-74172	47.0	L4	24.9(23.1-26.0)	20.1(14.6-22.2)		with L6 clast
145	Yamato-74173	89.76	L6	24.0(23.1-24.9)	20.3(19.7-22.5)	B	to Y-74181
146	Yamato-74182	16.62	L6	24.6(24.0-25.4)	20.5(20.3-21.6)	A	to Y-74185, Pl(An10.2-11.1), En46Fs8Wo46
147	Yamato-74186	5.17	H4	19.0(18.2-19.7)	16.3(15.4-17.4)		
148	Yamato-74187	13.32	H5	18.0(16-22)	17.1(16-18)	C	to Y-74188, Pl., Cpx.
149	Yamato-74189	1.54	H6	19.1(17.9-20.0)	16.7(16.0-17.3)		Pl(An11.9-12.4), merrillite
150	Yamato-74190	3235.7	L6	24.5(23.8-25.5)	20.6(19.7-21.4)	A	Pl(An20), maskl. ap. chro. Ca-rich Cpx.
151	Yamato-74191	1091.6	L3	18.8(12-25)	(4-25)	A	
152	Yamato-74192	420.3	H5	18.2(17.7-18.9)	15.8(15.5-16.0)	C	
153	Yamato-74193	1818.5	H5	19.2(18.3-19.7)	16.7(15.4-19.7)	B	Pl(An11.6, 12.3)
154	Yamato-74194	728.91	H5	18.8(17.0-22.2)	17.1(16.4-17.7)	C	to Y-74342
155	Yamato-74343	42.38	H5	18.3(17.1-19.3)	16.8(15.8-18.4)		merrillite
156	Yamato-74344	1.42	Dio(A)	-		A	to Y-74013, chromite
157	Yamato-74345	8.41	H6	19.0(18.3-19.7)	16.1(15.0-16.7)		Pl(An11.3-12.8), merrillite
158	Yamato-74346	82.35	H5	18.4(17.8-18.9)	16.2(15.6-17.0)		En51.8Fs6.1Wo42.1
159	Yamato-74347	7.85	Dio(A)	-	24	A	to Y-74013, chromite
160	Yamato-74348	43.67	H5	19.0(18.4-20.1)	16.6(15.9-17.7)	C	to Y-74353, merri. En48.7Fs5.6Wo45.7
161	Yamato-74354	2721.1	L6	25.3(24.6-25.9)	21.2(20.1-22.1)	A	Pl(An9.9, 10.8) ap. merri. En47.9Fs7.8Wo44.3
162	Yamato-74355	82.9	L4	24.7(23.3-25.8)	20.8(19.8-21.2)	B	ilmenite
163	Yamato-74356	10.0	Euc(mono)	-	(57.7-58.5)	A	Pl(An72.2-92.2), En29.8-38.4Fs31.4-58.5Wo3.6-36.6
164	Yamato-74357	13.8	Lod	7.9(7.0-8.5)	13.8(11.5-14.6)		Ab82Or3An15, Chr. Diop.
165	Yamato-74358	2.94	L6	24.6(23.6-25.4)	21.4(20.1-29.3)		Pl(An9.7-10.8)
166	Yamato-74359	1.53	Unique	19.2(17.4-20.5)	16.7(15.6-18.6)		Clast, Pl(An2.4, 2.8), En73.0Fs18.0Wo9.0
167	Yamato-74360	3.29	Unique	20.5(19.2-22.5)	15.4(13.7-18.3)		Clast, Pl(An4.9-10.1), En58.4Fs11.6Wo30.0
168	Yamato-74361	0.4	H	19.4(17.5-21.1)	17.2(15.7-18.8)		shocked
169	Yamato-74362	4175.0	L6	25.3(24.5-26.0)	21.2(20.1-21.8)	A	Pl(An10.1, 11.8)
170	Yamato-74363	1.01	H4	19.2(18.5-21.6)	16.6(15.9-17.3)		apatite
171	Yamato-74364	757.8	H4	17.3(16.9-17.9)	15.5(14.6-18.6)	B	merrillite
172	Yamato-74365	0.67	H6	19.3(18.6-20.1)	16.9(16.6-17.2)		Pl(An12.0-13.3)
173	Yamato-74366	0.25	L6	24.8(23.3-26.7)	21.1(20.3-22.7)		merrillite, apatite
174	Yamato-74367	165.6	L6	24.7(23.8-26.1)	20.5(19.6-21.4)	A	Pl(An9.3-12.2), merrillite
175	Yamato-74368	4.13	Dio(A)	-		A	to Y-74013, chromite
176	Yamato-74369	4.17	H5	18.5(18.0-19.4)	16.2(15.9-16.6)		En49.9Fs5.3Wo44.8
177	Yamato-74370	42.1	E4	0.1	0.9(0-5.1)	B/C	Ab97.0Or3, Ab98.4An0.3Or1.4
178	Yamato-74371	5067.9	H4	18.4(17.5-19.2)	16.0(15.2-16.6)	A	apatite, chromite
179	Yamato-74372	84.6	L6	24.8(24.1-25.4)	20.9(20.5-21.4)	B	Pl(An12.0,12.4), merri. ap.
180	Yamato-74373	0.28	H6	19.6(18.7-20.3)	17.6(16.9-19.1)		Pl(An11.9), maskelynite, shock vein
181	Yamato-74374	205.2	H4	17.5(16.9-18.0)	15.9(14.5-20.2)	B	Pl(An11.9), merrillite
182	Yamato-74375	92.7	H4	18.1(17.3-19.3)	15.6(14.7-18.3)	C	clinobronzite
183	Yamato-74376	120.0	L6	23.9(22.4-24.8)	20.2(19.5-21.4)	B	Pl(An10.4-10.8), maskl. ap.
184	Yamato-74377	10.51	H6	18.6(10.3-19.8)	16.7(15.6-20.7)		
185	Yamato-74378	18.44	L5	24.6(23.4-26.4)	20.4(19.3-22.2)		
186	Yamato-74379	66.01	H5	18.9(16.3-19.0)	16.7(15.2-18.4)	C	to Y-74416, merrillite
187	Yamato-74417	44.5	L3	13.7(0.2-31.8)	10.9(3.1-27.0)	A	Pl(An62.5)
188	Yamato-74418	764.03	H6	18.7(17.8-19.8)	16.3(15.1-17.8)	C	to Y-74436, Pl(An18), Ca-rich Cpx. chromite
189	Yamato-74437	3.22	H4	18.5(17.5-21.3)	15.7(12.9-16.7)		with H6
190	Yamato-74438	42.24	H5	19.2(18.4-20.1)	16.8(16.5-17.2)		
191	Yamato-74439	32.74	L6	24.1(23.8-24.6)	19.9(18.8-20.4)		
192	Yamato-74440	1.61	H4	17.6(16.1-20.1)	15.7(15.1-16.3)		
193	Yamato-74441	27.4	L3	15.1(1.5-31.3)	11.6(2.0-29.4)	B	
194	Yamato-74442	173.3	LL4	28.9(28.0-30.2)	20.5(7.1-24.1)	A	Pl(An10.0, Or2.4)
195	Yamato-74443	6.03	H5	18.6(16.4-20.2)	16.3(15.2-18.0)		merrillite, apatite
196	Yamato-74444	11.81	LL4	30.0(29.0-31.2)	22.8(20.6-23.8)		with LL6, Pl(An8.6, 10.3, 76.3), maskl.
197	Yamato-74445	2293.2	L6	24.8(23.7-25.8)	20.8(20.2-22.0)	C	maskelynite
198	Yamato-74446	7.43	L6	24.7(24.0-25.5)	20.6(20.1-21.2)		
199	Yamato-74447	14.3	H6	18.0(17.1-18.7)	15.6(14.8-16.2)	B	Pl(An12.5), merrillite
200	Yamato-74448	17.7	Dio(A)	-		A	to Y-74013, chromite
201	Yamato-74449	4.04	H5	18.9(17.8-22.8)	16.4(15.7-17.6)		
202	Yamato-74450	235.6	Euc(pol)	-	(25.6-30.5)	A	Pl(An78.4-93.1), En19.3-70.4Fs25.6-54.6Wo3.7-30.1
					(25.0-51.0)		Pl(An80.7-92.9), En17.9-71.7Fs25.0-55.7Wo3.3-26.4
203	Yamato-74451	0.80	L6	24.2(23.0-25.4)	20.3(19.7-20.6)		Pl(An9.4-9.8), merrillite
204	Yamato-74452	33.9	L6	24.0(23.1-24.7)	20.8(19.5-20.7)	A	
205	Yamato-74453	14.56	H4	17.8(23.1-24.7)	20.1(19.5-20.7)		
206	Yamato-74454	578.8	L6	24.9(23.7-27.0)	20.8(20.0-21.9)	A	Pl(An10.0), merrillite
207	Yamato-74455	114.1	L6	24.7(24.0-25.4)	20.8(20.0-24.1)	A	Pl(An9.8-10.8), maskl., merri., ap.
208	Yamato-74456	56.82	H4	17.4(16.8-18.3)	15.9(14.1-17.9)		
209	Yamato-74457	120.8	L5	24.7(23.7-26.7)	20.7(20.2-21.3)	B	
210	Yamato-74458	37.35	H5	19.1(18.3-20.4)	16.8(15.9-20.5)		

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
212	Yamato-74459	5148.3	H6	18.9(17.8-22.8)	16.4(15.7-17.6)	C	to Y-74602 except Y-74546
211	Yamato-74546	7.39	Dio(A)	-		A	to Y-74013, chromite
213	Yamato-74603	188.7	L4	21.8(20.2-25.0)	20.4(18.8-22.7)	C	
214	Yamato-74604	58.57	H4	18.4(17.8-19.3)	16.3(15.4-18.1)		
215	Yamato-74605	580.8	L6	23.8(22.8-24.9)	20.2(19.4-21.1)	B	maskelynite, merrillite
216	Yamato-74606	2.95	Dio(A)	-		A	to Y-74013, chromite
217	Yamato-74607	0.56	H4	17.9(5.5-21.2)	16.1(15.4-16.8)		En51.1Fs5.9Wo43.0
218	Yamato-74608	2.00	L4	22.3(20.5-25.3)	18.8(14.1-27.2)		
219	Yamato-74609	257.2	H5	18.4(17.2-19.2)	16.0(14.4-17.4)	C	
220	Yamato-74610	46.8	H4	17.9(17.1-19.1)	15.8(15.1-16.9)	B	clnobronzite
221	Yamato-74611	7.40	L6	23.1(22.1-24.1)	19.3(18.3-19.9)		Pl(An9.8)
222	Yamato-74612	2.46	L6	24.3(23.2-25.8)	20.4(19.7-22.6)		
223	Yamato-74613	145.07	H6	18.0(17.0-18.7)	15.9(15.6-16.1)	C	to Y-74638
224	Yamato-74639	89.5	L5	24.1(23.3-25.2)	20.4(18.9-22.5)	A	
225	Yamato-74640	1065.9	H6	19.0(18.5-19.8)	16.5(15.7-17.2)	C	
226	Yamato-74641	15.19	CM2	10.1(0.3-55.0)	3.1(0.5-20.3)	A	to Y-74642
227	Yamato-74643	38.01	H5	18.2(17.3-19.2)	15.9(14.9-16.8)		
228	Yamato-74644	20.45	H5	18.5(17.1-23.6)	15.9(14.9-16.7)		
229	Yamato-74645	35.6	H4-L4	21.1(20.0-22.1)	17.9(17.2-18.4)	C	
230	Yamato-74646	554.7	LL6	29.7(27.9-31.6)	22.3(15.6-24.9)	A	Pl(An9.7-10.5), En45.5Fs8.6Wo45.9, merri.
231	Yamato-74647	2323.8	H5	18.3(17.3-19.3)	15.9(15.4-16.7)	A	Pl, Ca-rich Cpx. chro.
232	Yamato-74648	185.5	Dio(A)	-	23.9(22.6-25.3)	A	to Y-74013, chromite
233	Yamato-74649	2.84	L6	24.7(23.7-25.6)	20.6(19.7-21.8)		Pl(An9), apatite
234	Yamato-74650	163.2	L6	24.6(23.7-25.3)	20.6(19.8-21.2)	A/B	Pl(An9.5, 10.2), merrillite
235	Yamato-74651	1.07	LL6	28.3(26.2-29.6)	22.4(18.0-24.1)		Pl(An9.7, 11.6)
236	Yamato-74652	7.9	L6	24.4(23.9-25.1)	20.6(19.7-21.4)	A	
237	Yamato-74653	1.09	H6	19.1(18.2-20.0)	16.5(16.1-16.9)		
238	Yamato-74654	45.02	L6	24.6(23.3-26.2)	20.6(19.6-22.4)		
239	Yamato-74655	10.55	L6	25.1(23.7-25.9)	20.5(20.0-21.1)		Pl(An9.7-10.8)
240	Yamato-74656	12.52	L4	24.7(24.0-25.7)	20.6(19.7-21.9)		
241	Yamato-74657	8.94	L5	24.4(22.8-25.9)	20.5(19.6-21.4)		
242	Yamato-74658	11.07	H6	19.1(17.1-21.2)	16.5(15.6-17.2)		
243	Yamato-74659	18.9	Ure	(8.0-9.0)	(6.9-9.6)	B	En86.1-88.6Fs6.9-9.6Wo3.6-5.5
244	Yamato-74660	27.2	LL3	10.5(0.4-49.5)	8.9(0.4-34.5)	B	
245	Yamato-74661	5.31	H6	18.5(17.6-19.8)	16.2(15.1-17.0)		merrillite
246	Yamato-74662	150.9	CM2	10.9(0.2-52.8)	5.0(0.5-45.3)	A	
247	Yamato-74663	213.9	LL6	28.1(26.8-28.8)	23.0(21.8-23.8)	B	

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
1	Yamato-75001	3.23	Dio(A)			A	to Y-74013, chromite
2	Yamato-75002	2.96	H4-5	18.7(17.5-21.0)	16.7(15.6-19.1)		
3	Yamato-75003	1.61	C	4.1(0.1-47.1)			
4	Yamato-75004	37.14	Dio(A)		24	A	to Y-74013, chromite
5	Yamato-75005	0.20	L6	25.3(24.5-26.7)	20.9(19.9-21.5)		Pl(An9.7, 9.9, 10.2), En46.5Fs10.2Wo43.2, merri.
6	Yamato-75006	1.15	H5	18.7(18.0-19.5)	16.8(14.8-18.4)		shocked, En48.1Fs6.5Wo45.4
7	Yamato-75007	2.63	Dio(A)			A	chromite
8	Yamato-75008	1.3	Unique	19.3(18.9-20.0)	16.8(16.0-17.4)		Pl(An0.8-7.3), En50.6Fs8.4Wo41.0
9	Yamato-75009	4.17	LL5-6	29.2(28.5-30.0)	23.7(22.3-24.9)		
10	Yamato-75010	1.29	H6-5	19.4(18.3-20.1)	17.4(16.7-18.5)		plagioclase
11	Yamato-75011	121.5	Euc(pol)		(27.2-48.3)		Pl(An80.0-93.2), En15.1-68.0Fs27.0-58.3Wo3.5-32.9
12	Yamato-75012	69.9	H5	19.3(18.5-20.7)	17.2(16.1-19.7)		
13	Yamato-75013	1.40	L4	24.1(23.0-25.5)	20.6(19.7-21.3)		
14	Yamato-75014	2.99	Dio(A)			A	chromite
15	Yamato-75015	166.6	Euc(pol)	(78.8-80.8)	(25.5-48.5)		Pl(An83.4-93.9), En8.3-69.7Fs25.5-66.5Wo4.9-25.2, chro. il, SiO2
16	Yamato-75016	1.49	L-LL3	24.9(17.0-27.2)	12.6(2.6-28.4)		apatite
17	Yamato-75017	872.0	L5	24.5(23.9-25.0)	20.3(18.4-21.2)		En69.2Fs17.4Wo13.4
18	Yamato-75018	8.75	L4	23.9(23.4-24.8)	20.0(18.4-21.3)		merrillite
19	Yamato-75019	22.7	L4	23.7(23.0-24.3)	20.3(19.5-22.2)		
20	Yamato-75020	9.42	H5-6	18.9(17.6-20.2)	16.5(14.8-17.1)		Pl(An12.6), En48.5Fs6.4Wo45.2
21	Yamato-75021	2.49	L4	24.0(22.7-24.7)	20.3(19.3-21.8)		merrillite, apatite(?)
22	Yamato-75022	5.06	H6	19.0(18.2-19.7)	16.5(15.5-17.0)		Pl(An11.8, 12.2), En48.7Fs5.2Wo46.0
23	Yamato-75023	1.12	L4-5	23.6(22.8-24.5)	19.4(18.7-20.7)		
24	Yamato-75024	2.41	L4	24.1(23.1-27.1)	20.1(18.9-21.4)		
25	Yamato-75025	0.91	L4	24.5(23.0-26.2)	20.6(18.8-22.2)		An13.4Ab80.5Or6.1
26	Yamato-75026	1.29	L4	24.2(23.6-25.0)	20.8(19.9-21.7)		merrillite, apatite, En66.0Fs15.4Wo18.6
27	Yamato-75027	0.17	H3				same as Y-75028
28	Yamato-75028	6100.0	H3	(13.7-27.4)	(4.3-24.1)		with H5-6, Fa18.4, Fs16.3, maskl.
29	Yamato-75029	83.9	H3				same as Y-75028
30	Yamato-75030	14.78	H6	18.5(16.5-19.7)	16.3(15.4-17.3)		merrillite
			H3	18.8(16.9-32.6)	15.2(11.1-18.6)		
31	Yamato-75031	60.2	Iron	Plessitic	Octahedrite		15.3%Ni, 0.76%Co
32	Yamato-75032	189.1	Dio(B)		(29.1-34.7)	A	En43.0Fs12.4Wo44.6, Ca-pl. troilite, chromite
33	Yamato-75033	19.10	H4	18.7(17.8-19.6)	16.0(15.7-16.7)		
34	Yamato-75034	120.02	L6	25.5(24.6-26.1)	21.4(20.5-22.4)		to Y-75090, Pl(An10.8), En46.5Fs8.0Wo45.6, maskl.
35	Yamato-75091	0.44					Terrestrial
36	Yamato-75092	1.75	LL5	28.8(28.0-30.2)	23.7(23.1-24.4)		Pl(An9.7), merrillite, apatite
37	Yamato-75093	0.76	LL6	29.4(27.7-30.9)	23.8(22.9-25.0)		shocked, Pl(An11.3, 10.5, 11.6)
38	Yamato-75094	2.72	L6	24.0(22.8-24.9)	20.2(19.6-20.7)		maskel., merri.
39	Yamato-75095	2.70	LL5	28.8(28.0-30.2)	23.7(23.1-24.4)		Pl(An9.7), merri., ap.
40	Yamato-75096	91.8	H4	17.2(15.5-17.9)	15.9(11.0-25.3)		quartz, apatite, px(CaO 1.2%)
41	Yamato-75097	2570.2	L6	24.2(23.0-25.3)	20.1(19.3-21.5)		with L7 clast
42	Yamato-75098	1.39	H5	18.8(17.8-19.5)	16.5(15.4-18.1)		En47.3Fs7.1Wo45.6
43	Yamato-75099	1.04	H6	18.3(17.7-22.0)	16.0(15.4-16.7)		Pl(An13.5, 12.2, 14.3)
44	Yamato-75100	85.0	H6	18.8(18.1-20.3)	16.4(15.9-17.3)		shocked(pl rich), maskel. px(CaO 1.5%)
45	Yamato-75101	2.93	L6	24.1(23.5-24.8)	20.1(18.7-21.1)		Pl(An11.0, 11.5), En47.8Fs7.9Wo44.3
46	Yamato-75102	11000	L6	24.3(23.4-25.5)	20.9(19.2-21.4)		Pl(An13.1), maskelynite, merrillite
47	Yamato-75103	0.71	L3	16.5(15.6-17.4)	14.1(9.2-23.5)		
48	Yamato-75104	10.29	H4(-5)	18.1(17.2-18.8)	16.0(15.2-16.7)		
49	Yamato-75105	19.6	IIA	Reheated	Hexahedrite		5.6%Ni, 0.52%Co, schreibersite(10%Ni, 15%P)
50	Yamato-75106	15.8	LL3	26.4(17.5-31.3)	20.0(4.9-24.5)		Pl(An2.6, 10.2, 10.8, 11.0)
51	Yamato-75107	6.44	H5-4	18.7(17.4-19.5)	16.2(15.4-16.6)		En48.2Fs6.9Wo44.9
52	Yamato-75108	3966.93	L6	24.9(24.0-25.8)	20.6(19.7-22.7)		to Y-75257, En46.4Fs7.6Wo46.0, merri. maskel.
53	Yamato-75258	971.0	LL6	31.9(30.8-33.1)	24.4(24.0-25.0)		Pl(An8.9-10.3)
54	Yamato-75259	70.0	H6	19.8(19.0-20.7)	17.1(16.4-17.8)		En76.4Fs15.6Wo8.0
55	Yamato-75260	4.0	CV3	4.3(0.3-33.2)	1.4(0.5-2.6)		
56	Yamato-75261	0.59	Unique	0.3(0-0.9)	0.3(0.1-0.5)		Pl(An39.3, 48.0)
57	Yamato-75262	47.2	H5	18.6(17.8-19.9)	16.6(15.1-20.1)		merrillite
58	Yamato-75263	4.49	H6	18.1(17.5-18.8)	15.9(15.4-16.9)		Pl(An13.2, 13.5)
59	Yamato-75264	3.30	L4	25.2(24.3-26.8)	20.7(20.0-21.8)		apatite
60	Yamato-75265	0.60	LL6	31.4(29.1-32.5)	24.6(23.6-25.5)		Pl(An10.7-11.8)
61	Yamato-75266	0.75	LL6	30.0(29.5-31.0)	24.3(23.2-25.0)		
62	Yamato-75267	38.1	H6	18.1(17.6-18.9)	16.2(15.7-17.7)		maskelynite, merrillite
63	Yamato-75268	0.67	L4	25.2(24.3-26.8)	20.7(20.0-21.8)		apatite
64	Yamato-75269	87.2	H4	18.7(18.2-19.3)	15.8(13.5-19.1)		
65	Yamato-75270	26.9	L5	25.9(25.0-27.1)	21.6(21.3-22.4)		
66	Yamato-75271	1797.5	L5	24.3(23.8-25.0)	20.5(19.6-21.6)		Pl(An11.4), maskelynite
67	Yamato-75272	6.34	H4	18.2(17.3-19.2)	15.9(15.1-18.1)		
68	Yamato-75273	4.92	L-LL3	12.2(1.4-30.9)	11.3(1.3-30.7)		
69	Yamato-75274	5.1	Lod	3.9(3.6-4.7)	3.9(3.5-4.5)		Diop(En53.7Fs1.6Wo44.6), 6.5%Ni
70	Yamato-75275	4.64	H4	18.4(17.9-19.3)	16.0(15.4-16.6)		En63.8Fs10.3Wo26.4

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
71	Yamato-75276	0.89	H6	18.4(15.6-19.1)	16.0(15.2-16.1)		Pl(An14.3), chromite
72	Yamato-75277	99.0	H6	19.2(18.6-19.7)	16.8(16.2-18.8)		shocked, Pl(An12.5, 12.2), merrillite
73	Yamato-75278	0.31	H6				same as Y-75277
74	Yamato-75279	2.22	LL4	28.3(27.2-30.1)	23.1(21.9-24.7)		with LL6 clast
75	Yamato-75280	0.64	L6	24.2(23.3-24.9)	19.9		Pl(An14.5, 14.1), maskl.
76	Yamato-75281	20.7	H5-6	19.3(17.6-23.2)	16.5(15.7-17.3)		Pl(An11.6-12.4), merri. ap.
77	Yamato-75282	0.26	H5-6	18.9(18.3-19.7)	16.2(15.6-16.9)		Pl(An11.6-12.0), En49.1Fs5.6Wo45.3
78	Yamato-75283	3.0	H4(-5)	18.3(17.7-19.2)	16.0(15.4-16.9)		Pl(An12.6, FeO 1.26%)
79	Yamato-75284	3.82	H6	19.0(17.8-20.0)	16.8(16.1-17.5)		Pl(An11.3, 12.4), En49.0Fs5.7Wo45.2
80	Yamato-75285	3.25	Dio(A)			A	to Y-74013, chromite
81	Yamato-75286	1.72	H4	17.5(16.3-18.9)	15.5(14.9-16.0)		Pl(An11.1, 12.0), En50.2Fs6.1Wo43.7
82	Yamato-75287	9.40	H6	18.2(16.9-19.5)	16.1(15.1-16.8)		Pl(An11.6-12.5), En48.5Fs6.1Wo45.5
83	Yamato-75288	93.9	L5	24.8(23.9-25.7)	20.8(20.0-21.5)		En46.6Fs7.3Wo46.1
84	Yamato-75289	50.9	L5	25.0(24.2-28.5)	20.9(20.1-21.8)		Opx(CaO 1.4%)
85	Yamato-75290	6.33	L6	24.2(10.2-26.4)	20.6(19.4-21.5)		shocked, maskl.
86	Yamato-75291	23.5	H4	18.0(17.4-18.9)	16.2(15.1-18.2)		merrillite
87	Yamato-75292	8.54	H5-4	19.3(18.2-21.2)	16.6(16.0-19.6)		
88	Yamato-75293	8.1	CM2	11.8(0.1-70.5)	0.9(0.4-3.0)		
89	Yamato-75294	14.26	LL6	30.1(29.4-31.0)	24.8(23.0-27.6)		breccia, Pl(An8.6-11.1), maskl.
90	Yamato-75295	8.8	Euc(pol)		(26.9-50.0)		En20.3-69.0Fs26.9-51.6Wo3.3-27.9, Pl(An81.0-89.6, Or0.4-1.4)
91	Yamato-75296	8.6	Euc(pol)	(81.9)	(24.4-59.9)		En10.7-71.4Fs24.4-60.4Wo2.5-41.0, Pl(An79.5-94.0, Or0.3-1.7)
92	Yamato-75297	20.5	L4-5	25.1(22.8-25.8)	19.8(17.4-20.7)		
93	Yamato-75298	14.59	H6	18.6(17.5-20.2)	16.3(15.5-17.5)		Pl(An11.6-12.8)
94	Yamato-75299	9.39	Dio(A)			A	chromite
95	Yamato-75300	1.50	Unique	1.6(0.6-1.9)	2.1(1.6-3.0)		Pl(An13.5-23.8), coaser portion
104	Yamato-75300	1.50	Unique	1.8(1.4-2.3)	1.9(0.7-2.3)		Pl(An19.1-22.7), finer portion
96	Yamato-75301	1.06	H4	18.4(17.4-20.3)	16.4(15.5-17.7)		shocked, apatite
97	Yamato-75302	3.62	LL4-C4	33.6(10.6-41.7)	(18.3-28.7)		breccia, shocked, melted, apatite
98	Yamato-75303	2.60	H5	18.7(17.5-21.2)	16.4(15.5-17.0)		merrillite
99	Yamato-75304	22.1	L6	18.2(17.7-18.8)	16.1(15.4-17.1)		Pl(An12.1, 12.2), apatite
100	Yamato-75305	2.06	Unique	1.8(1.6-1.9)	2.1(0.8-3.1)		Pl(An19.6-32.1, Or1.0-2.4)
101	Yamato-75306	4.09	H6	18.7(17.7-19.9)	16.2(15.4-17.1)		coarser grain
102	Yamato-75307	7.9	Euc(pol)	(55.4)	(24.8-42.5)		Pl(An81.0-95.2), En19.7-71.0Fs24.8-57.6Wo2.9-27.0
105	Yamato-75308	1.61	H5	18.2(17.4-19.7)	15.8(14.3-16.9)		

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
1	MBR-a	1879.7	H5-4	18	16		
2	MBR-b	7265	H6-5	18	16		
3	ALH-761	9671	L6	25	21	A	
4	ALH-762	632	IAOg				
5	ALH-763	6085	L6	25	21	A	
6	ALH-764	157.4	LL3	19.0(0.8-38.8)	11.4(2.4-32.1)	A	Pl(An67.2, 70.7), sp. En65.3Fs29.5Wo5.2
7	ALH-765	698.2	Euc	(82.9)	(34.0-61.9)	A	Pl(An80.0-93.5), En28.1-61.4Fs29.1-61.9Wo1.9-42.6
8	ALH-766	567.9	H6	18	16	C	
9	ALH-767	200	L6	24	21	B	
10	ALH-768	547	H6	19	17	B/C	
11	ALH-769	196512	L6	24	21	B	
12	ALH-77001	118.45	L6	25	21	B	
13	ALH-77002	112.67	L5	25	22	B	
14	ALH-77003	381.06	C3	(4-48)	(2-25)	A	
15	ALH-77004	1163.4	H4	(17-20)	(15-27)	C	
16	ALH-77005	212.45	She	(25.4-30.8)	(19.5-20.6)	A	Pl(An48.5-55.7), En48.9-78.1Fs12.9-25.6Wo2.4-37.8
17	ALH-77007	49.86	H5	19.1	16.7	B	
18	ALH-77008	46.15	L6	24.6	20.6	A	
19	ALH-77009	113.10	H4	18	16	C	
20	ALH-77010	147.14	H4	18	15-18	C	
21	ALH-77011	127.68	L3	(4-36)	(1-33)	C	
22	ALH-77012	89.19	H5	18	16	C	
23	ALH-77013	11.46	L3	(9-28)	(1-35)	B	
24	ALH-77014	156.22	H5	18	17	C	
25	ALH-77015	208.49	L3	(1-21)	(4-24)	C	
26	ALH-77016	39.01	H5	18.6	17.1	B	
27	ALH-77017	37.72	H5	18.8	16.3	B	
28	ALH-77018	25.84	H5	19.0	17.0	B/C	
29	ALH-77019	30.21	L6	24.9	21.4	B/C	
30	ALH-77021	7.36	H5	18	17	C	
31	ALH-77022	7.98	H5	19.1	17.0	A	
32	ALH-77023	10.25	H5	19.1	16.8	B	
33	ALH-77024	10.75	H4	18.9(18.2-21.3)	16.1(15.2-18.0)		merrillite
34	ALH-77025	9.36	H5	18	17	C	
35	ALH-77026	10.06	L6	24.3	20.7	B/C	
36	ALH-77027	(3.65)	L6	25.0	21.5	B/C	
37	ALH-77028	0.53	L6	24.6(23.8-26.1)	20.5(19.6-22.4)		Pl(An11.6, 10.5, 10.7), maskelynite
38	ALH-77029	(1.38)	C3O	23.0	2.6	A/B	
39	ALH-77030	0.80	H5-4	18.6(17.7-19.4)	16.2(15.2-18.0)		chromite
40	ALH-77031	(0.47)	L3	n.d.	n.d.	B/C	
41	ALH-77032	6.74	L3	16.4(0.9-40.2)	13.1(0.9-43.3)		SiO_2
42	ALH-77033	4.79	L3	(8-38)	(8-9)	C	
43	ALH-77034	(1.76)	L3	n.d.	n.d.	B/C	
44	ALH-77035	1.67	L?3	17.4(0.2-43.8)	10.0(1.0-33.2)		
45	ALH-77036	(8.45)	L3	n.d.	n.d.	B	
46	ALH-77037	2.33	H5	18.8(17.8-20.2)	16.5(16.3-16.8)		merrillite
47	ALH-77038	9.05	H5	19.0	17.1	A/B	
48	ALH-77039	(8.23)	H5	18.5	16.3	A/B	
49	ALH-77040	2.30	L3	15.3(0.3-42.7)	10.8(0.8-33.3)		
50	ALH-77041	8.43	LL6	30.7	25.1	A	
51	ALH-77042	10.33	H5	19.0	16.6	A/B	
52	ALH-77043	(11.44)	L3	(1-37)	(1-28)	B/C	
53	ALH-77044	12.25	H4	18.8(18.1-20.2)	16.2(15.2-16.8)		Pl(An10.0), ap., merri.
54	ALH-77045	7.61	H5	18.7	17.0	A	
55	ALH-77046	(7.64)	H6	19.0	16.7	A/B	
56	ALH-77047	10.08	L3	n.d.	n.d.	C	
57	ALH-77048	14.93	L-LL3	16.9(0.3-43.2)	11.8(2.4-26.2)		
58	ALH-77049	(7.28)	L3	n.d.	n.d.	B/C	
59	ALH-77050	42.16	L3	n.d.	n.d.	B/C	
60	ALH-77051	7.38	H5	18.8	16.5	A	
61	ALH-77052	56.69	L3	n.d.	n.d.	B/C	
62	ALH-77053	13.05	H6	18.7(17.9-19.7)	16.9(15.9-19.5)		Pl(An11.2-12.6, Or4.1-8.5)
63	ALH-77054	(10.38)	H5	18.5	16.9	B	
64	ALH-77055	5.07	H5-4	18.6(17.9-19.3)	16.2(15.3-17.1)		merrillite
65	ALH-77056	(12.25)	H4	18.8	16.3	A/B	
66	ALH-77057	3.03	H4	18.6(17.7-20.2)	16.4(15.2-19.6)		
67	ALH-77058	(3.67)	H5	18.8	16.1	B	
68	ALH-77059	6.44	H4	18.5(17.5-20.3)	16.3(15.9-16.8)		spinel
69	ALH-77060	31.06	LL5	28.1	23.2	A	
70	ALH-77061	6.34	H5	18	17	B	

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
71	ALH-77062	8.56	H5	18	17	B	
72	ALH-77063	(2.93)	H5	18.0	16.8	B	
73	ALH-77064	5.98	H5	18	17	B	
74	ALH-77065	2.65	H5	18.6(17.1-19.6)	16.3(15.1-17.7)		merrillite, apatite
75	ALH-77066	(4.92)	H5	19.0	17.4	A	
76	ALH-77067	4.09	H4	18.4(17.7-19.7)	15.3(14.6-16.6)		merrillite
77	ALH-77069	(0.79)	L6	25.4	21.4	B/C	
78	ALH-77070	8.90	H5	18.4	16.8	B	
79	ALH-77071	0.01	H5	18	17	B	
80	ALH-77072	0.27	H	17.4(16.4-19.6)	15.6(14.3-17.6)		shocked
81	ALH-77073	(10.09)	H5	18.8	17.7	A/B	
82	ALH-77074	11.51	H5	18	17	B	
83	ALH-77075	1.20	L-LL3	18.0(2.6-40.2)	7.8(3.4-22.3)		
84	ALH-77076	(1.70)	H5	19.5	16.1	B	
85	ALH-77077	13.73	H4	18.6(17.2-19.9)	16.2(15.3-16.8)		merrillite
86	ALH-77078	11.06	H5	19.5	16.7	B	
87	ALH-77079	(7.78)	H5	18.2	15.8	A	
88	ALH-77080	1.14	L3	11.7(0.9-30.5)	18.6(2.5-46.6)		
89	ALH-77081	4.24	Unique	10.7(9.8-11.2)	10.3(9.4-11.5)	B	Pl(An12.2-14.4), chro.ap. En52.0Fs4.0Wo44.0
90	ALH-77082	(11.95)	H5	19.3	16.5	A/B	
91	ALH-77083	9.07	H4	19.2(18.4-19.8)	16.6(15.5-17.0)		merrillite
92	ALH-77084	21.37	H5	18.8	16.8	A/B	
93	ALH-77085	22.08	H5	18.8	17.6	B	
94	ALH-77086	8.99	H5	19	17	C	
95	ALH-77087	15.14	H5	19.0	16.7	B	
96	ALH-77088	24.69	H5	19	17	C	
97	ALH-77089	(7.84)	L6	25.5	21.4	B	
98	ALH-77090	9.54	H4-5	18.7(17.8-19.4)	16.2(15.3-16.8)		
99	ALH-77091	(4.19)	H5	18.9	16.1	B/C	
100	ALH-77092	22.53	H5	18.5	16.5	A	
101	ALH-77093	9.05	H5(-4)	19.0(18.0-21.9)	16.3(15.6-18.1)		merrillite
102	ALH-77094	(6.60)	H5	18.5	16.2	B	
103	ALH-77095	4.47	H4	17.0(5.1-23.3)	14.7(1.9-21.1)		Pl(An2.9, Or11.1)
104	ALH-77096	(2.48)	H5	18.7	17.1	A	
105	ALH-77097	1.36	H4-5	18.3(17.6-19.2)	16.2(15.0-17.0)		
106	ALH-77098	(7.97)	H5	18.7	16.7	B	
107	ALH-77099	4.98	H4	18.4(17.7-19.4)	16.2(15.4-17.8)		merrillite
108	ALH-77100	9.70	H5	19.2	16.4	A/B	
109	ALH-77101	(3.77)	H5	18.6	17.0	B	
110	ALH-77102	0.01	H5	19	15	B	
111	ALH-77103	4.13	H5	18.5(17.7-19.3)	15.9(15.4-16.3)		apatite
112	ALH-77104	(6.32)	H5	18.9	16.9	A	
113	ALH-77105	3.44	H4-5	19.3(17.8-23.9)	17.2(15.7-22.7)		Pl(An12.6, Or6.6)
114	ALH-77106	(7.82)	H5	18.8	16.5	A/B	
115	ALH-77107	4.71	H5	18.2(17.2-19.3)	15.6(14.7-16.9)		merrillite
116	ALH-77108	(0.66)	H5	18.5	15.9	A/B	
117	ALH-77111	28.67	H6	19.0	16.6	A/B	
118	ALH-77112	11.13	H5	18.7	16.7	A	
119	ALH-77113	(2.01)	H5	18.7	18.4	B	
120	ALH-77114	24.50	H5	19.6	17.2	B	
121	ALH-77115	72.03	L3	n.d.	n.d.	B/C	
122	ALH-77116	7.04	H5	18.4(16.8-19.7)	15.7(14.9-16.7)		Pl(An11.4-12.1), merrillite
123	ALH-77117	9.54	L5	24.4	21.0	A/B	
124	ALH-77118	7.57	H5	19	17	C	
125	ALH-77119	0.30	H5	18	17	C	
126	ALH-77120	(3.88)	H5	18.5	16.0	A/B	
127	ALH-77121	4.48	H5	18.5(17.1-19.7)	16.1(15.3-16.6)		Pl(An13.4)
128	ALH-77122	(4.57)	H5	19.1	16.8	B	
129	ALH-77123	3.46	H5	18.3(17.0-19.1)	16.4(16.0-16.7)		Pl(An8.8, 9.5), merri., ap.
130	ALH-77124	0.11	H5	19	16	C	
131	ALH-77125	8.71	H5	17.2	18.5	A/B	
132	ALH-77126	12.10	H5	18.3	16.2	A/B	
133	ALH-77127	(3.81)	L5	25.0	21.1	B	
134	ALH-77128	3.77	H5	18.3(17.7-19.1)	15.7(14.8-16.1)		Pl(An10.8), maskl., merri., ap.
135	ALH-77129	(1.67)	H5	18.9	16.6	B	
136	ALH-77130	12.19	H5	18.9	16.5	A	
137	ALH-77131	12.62	H6	19.2	16.8	A/B	
138	ALH-77132	54.27	H5	19.0	16.9	A/B	
139	ALH-77133	9.52	H6	19.0	17.0	A	
140	ALH-77134	10.02	H6	18.9	16.7	A	

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
141	ALH-77135	3.23	H5	18.4(17.5-19.2)	16.0(15.1-16.7)		
142	ALH-77136	(3.58)	H5	19.1	16.4	A/B	
143	ALH-77137	5.13	H5	18.3(17.5-19.7)	16.1(15.2-17.6)		
144	ALH-77138	(2.14)	H5	19.2	17.0	A	
145	ALH-77139	32.39	H6	18.6	16.4	A/B	
146	ALH-77140	38.97	L3	(8-44)	(2-17)	C	
147	ALH-77141	11.20	H4	18.4(17.3-19.6)	15.6(13.0-16.9)		merrillite
148	ALH-77142	(3.05)	H5	18.9	17.1	A/B	
149	ALH-77143	19.27	H5	18.7	16.2	A/B	
150	ALH-77144	7.66	H6	19	17	B	
151	ALH-77145	14.22	H5	18.3(16.8-19.0)	16.0(15.1-18.5)		En63.8Fs10.4Wo25.8, merrillite
152	ALH-77146	9.73	H6	18.9	16.9	A/B	
153	ALH-77147	9.22	H6	19.0	16.6	A/B	
154	ALH-77148	0.09	H6	18	16	C	
155	ALH-77149	12.14	H6	19.1	16.9	A/B	
156	ALH-77150	29.10	L6	25	22	C	
157	ALH-77151	9.22	H5	18.9	16.4	A	
158	ALH-77152	8.83	H5	18.7	16.9	A	
159	ALH-77153	(11.95)	H5	19.2	16.7	A	
160	ALH-77154	5.21	H5	18.8(17.9-20.4)	16.1(15.4-16.5)		En50.3Fs6.2Wo43.5
161	ALH-77155	158.28	L6	24	20	A/B	
162	ALH-77156	8.47	EH4	0.8	1.5	A	
163	ALH-77157	44.08	H6	18.6	15.7	A/B	
164	ALH-77158	10.03	H5	18.9	16.9	B	
165	ALH-77159	8.37	L6	24.4	20.8	A/B	
166	ALH-77160	35.65	L3	(3-46)	(6-40)	C	
167	ALH-77161	(6.10)	H5	19.3	17.1	C	
168	ALH-77162	14.72	L6	25.3	20.9	A	
169	ALH-77163	12.17	L3	n.d.	n.d.	B/C	
170	ALH-77164	18.23	L3	(6-39)	(3-41)	C	
171	ALH-77165	14.71	L3	(8-33)	(6-35)	C	
172	ALH-77166	69.38	L3	n.d.	n.d.	C	
173	ALH-77167	306.65	L3	(2-41)	(3-17)	C	
174	ALH-77168	11.78	H5	19.0	16.5	B	
175	ALH-77169	7.34	L6	24.2(23.3-27.0)	19.9(19.7-20.2)		maskl., merri., chro.
176	ALH-77170	(12.19)	L3	n.d.	n.d.	B/C	
177	ALH-77171	11.41	H5	18.9	17.0	A/B	
178	ALH-77172	6.42	H4	18.5(17.5-19.6)	16.1(15.4-17.4)		Pl(An11.2), merrillite
179	ALH-77173	12.12	H5	19.1	17.0	B	
180	ALH-77174	15.56	H5	18.3	16.0	A	
181	ALH-77175	11.14	L3	20.6(2.6-40.9)	13.8(1.6-38.7)	B/C	En84.6Fs6.2Wo9.2, En77.9Fs14.3Wo7.8
310	ALH-77176	27.14	L3	12.4(0.4-33.0)	9.2(0.3-29.0)	B	En70.5Fs18.1Wo11.4
182	ALH-77177	173.33	H5	18	16	C	
183	ALH-77178	(5.73)	L3	(1-36)	(2-40)	B/C	
184	ALH-77179	9.18	H5	18.6(17.9-20.0)	16.1(15.1-17.3)		merrillite
185	ALH-77180	95.30	L6	24	20	C	
186	ALH-77181	15.47	H5	20.0	17.3	B	
187	ALH-77182	518.81	H5	19	17	C	
188	ALH-77183	143.28	H6	19	16	C	
189	ALH-77184	64.19	H5	17.8	15.9	B	
190	ALH-77185	13.78	L3	n.d.	n.d.	A/B	
191	ALH-77186	59.76	H5	18.8	16.0	A/B	
192	ALH-77187	27.27	H5	18.1	16.3	A/B	
193	ALH-77188	54.23	H5	18.1	16.1	A/B	
194	ALH-77190	197.75	H4	(17-19)	(15-22)	C	
195	ALH-77191	318.39	H4	(16-18)	(14-16)	C	
196	ALH-77192	421.92	H4	(16-18)	(14-16)	C	
197	ALH-77193	(6.66)	H5	19.0	15.7	A	
198	ALH-77194	10.94	H5	18.3(16.8-19.7)	16.0(15.2-17.2)		Pl(An11.2), En79.9Fs14.7Wo5.5, ap. merri.
199	ALH-77195	(4.65)	H5	18.9	16.4	A	
200	ALH-77196	5.15	L6	24.4(23.5-25.2)	20.2(19.5-20.7)		Pl(An9.9-11.4)
201	ALH-77197	9.83	L3	(10-27)	(4-21)	A/B	
202	ALH-77198	(7.31)	L6	24.4	20.6	B	
203	ALH-77199	3.13	H5	18.5(17.7-19.0)	16.2(15.3-17.8)		Pl(An11.2)
204	ALH-77200	(0.89)	H6	19.7	17.6	C	
205	ALH-77201	6.84	H5	18.8	15.3	A	
206	ALH-77202	(2.68)	H5	18.6	16.6	B	
207	ALH-77203	6.82	H4	18.3(17.5-18.9)	15.9(15.1-16.4)		
208	ALH-77204	5.61	H4	18.4(17.6-19.2)	15.9(15.6-16.4)		
209	ALH-77205	(3.12)	H5	18.8	16.7	B	
210	ALH-77206	4.36	H5	18.6(17.8-19.3)	15.9(14.8-16.9)		merrillite

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
211	ALH-77207	(4.87)	H5	17.8	16.7	A/B	
212	ALH-77208	867.19	H4	17	14	C	
213	ALH-77209	15.99	H6	18.8	16.4	B	
214	ALH-77210	5.93	H6	18.3(17.5-19.1)	15.8(14.9-16.4)		Pl(An11.1-13.1), ap., merri.
215	ALH-77211	14.56	L3	n.d.	n.d.	B/C	
216	ALH-77212	7.57	H6	18.9	17.0	A/B	
217	ALH-77213	(8.35)	H5	18.6	16.5	A	
218	ALH-77214	1021.21	L3	13.7(0.5-27.4)	13.5(1.8-31.8)	C	
219	ALH-77215	402.2	L3	(22-26)	(9-21)	B	
220	ALH-77216	732.67	L3	(15-35)	(14-23)	A/B	
221	ALH-77217	204.77	L3	(17-25)	(9-26)	B	
222	ALH-77218	21.88	L5	23.4	19.1	A	
223	ALH-77219	316.84	Mes	26	(18.9-30.6)	B	Pl(An90.2-96.1), En67.1-80.0Fs18.9-30.6Wo1.0-3.2
224	ALH-77220	33.90	H5	17.7	16.0	B	
225	ALH-77221	114.11	H4	15	(13-15)	C	
226	ALH-77222	64.07	H4	18.0	15.3	A/B	
227	ALH-77223	103.27	H4	17	(15-23)	C	
228	ALH-77224	385.20	H4	19	17	C	
229	ALH-77225	2944.5	H4	17	16	C	
230	ALH-77226	7604.7	H4	18	16	C	
231	ALH-77227	7.66	H5	18.9	16.6	A	
232	ALH-77228	8.57	H5	18.5	16.3	B	
233	ALH-77229	12.47	H5	18.4(9.4-22.6)	16.3(12.6-20.7)		Pl(An12.4-13.3), merrillite
234	ALH-77230	1131.59	L4	(22-25)	(18-29)	C	
235	ALH-77231	4644.8	L6	24	21	A/B	
236	ALH-77232	3270.8	H4	17	15	C	
237	ALH-77233	2130.9	H4	(14-21)	(15-17)	C	
238	ALH-77235	(4.92)	H5	18.9	16.7	A/B	
239	ALH-77236	6.91	H5	18.6(17.9-19.3)	16.5(15.8-17.9)		En77.2Fs14.6Wo8.3, merrillite
240	ALH-77237	(4.06)	H5	18.5	15.8	A	
241	ALH-77238	5.83	H6	19.0(18.3-20.5)	16.6(15.8-17.4)		Pl(An11.7)
242	ALH-77239	8.86	H6	18.7	15.9	B	
243	ALH-77240	14.07	H5	18.8	16.0	A	
244	ALH-77241	72.33	L3	n.d.	n.d.	C	
245	ALH-77242	28.15	H5	18.8	16.2	B	
246	ALH-77243	9.22	H5	18.6(17.1-18.9)	16.0(14.9-17.8)		
247	ALH-77244	18.92	L3	n.d.	n.d.	B/C	
248	ALH-77245	16.43	H5	19.2	17.2	A/B	
249	ALH-77246	19.69	H6	19.2	16.5	B	
250	ALH-77247	20.22	H5	18.8	16.4	A/B	
251	ALH-77248	48.72	H6	18.7	16.7	B/C	
252	ALH-77249	257.05	L3	(7-35)	(2-25)	C	
253	ALH-77250	5420	IAOg				
254	ALH-77251	34.14	L6	25.0	21.3	B	
255	ALH-77252	171.43	L3	(22-28)	(2-22)	B	
256	ALH-77253	10.02	H5	19.2	16.9	A/B	
257	ALH-77254	118.52	L5	23	20	A/B	
258	ALH-77255	367	Anom				
259	ALH-77256	329.2	Dio		23	A/B	
260	ALH-77257	960.5	Ure	(11.4-14.1)		A	En80.8-82.4Fs11.2-12.7Wo5.7-6.5
261	ALH-77258	330.3	H6	18	16	B/C	
262	ALH-77259	147.84	H5	18	16	C	
263	ALH-77260	412.31	L3	(7-23)	(1-18)	C	
264	ALH-77261	213.21	L6	24	21	B	
265	ALH-77262	442.2	H4	(15-19)	(13-16)	B/C	
266	ALH-77263	779	IAOg				
267	ALH-77264	0.08	H5	19	16	A/B	
268	ALH-77265	9.34	H5	17.6	15.9	B	
269	ALH-77266	54.58	H5	19.6	17.7	B	
270	ALH-77267	51.31	L6	24.7	20.9	A	
271	ALH-77268	136.66	H5	18	16	C	
272	ALH-77269	475.10	L6	24	22	B	
273	ALH-77270	296.67	L6	24	21	A/B	
274	ALH-77271	293.16	H5	18	16	C	
275	ALH-77272	283.81	L6	24	20	B/C	
276	ALH-77273	219.13	L6	24	20	B	
277	ALH-77274	138.17	H5	18	16	C	
278	ALH-77275	11.04	H5	18.3	15.6	A	
279	ALH-77277	71.82	L6	24	20	A/B	
280	ALH-77278	127.72	LL3	(11-29)	(9-21)	A	

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
281	ALH-77279	86.24	H5	18.8	17.1	A	
282	ALH-77280	1626.86	L6	24	21	B	
283	ALH-77281	630.01	L6	24	20	B	
284	ALH-77282	1977.57	L6	24	20	B	
285	ALH-77283	4340	IAOg				
286	ALH-77284	200.17	L6	25	21	A/B	
287	ALH-77285	138.16	H6	18	16	C	
288	ALH-77286	124.84	H4	17	(12-16)	C	
289	ALH-77287	116.30	H5	18	16	C	
290	ALH-77288	936.60	H6	19	17	C	
291	ALH-77289	1012	IAOg				
292	ALH-77290	1734	IAOg				
293	ALH-77291	(5.75)	H5	18.9	15.9	A	
294	ALH-77292	100.43	L6	24	20	B	
295	ALH-77293	54.16	H6	24.7	20.9	B	
296	ALH-77294	673.35	H5	17	15	A	
297	ALH-77295	72.54	EH4	0.8	1.7	B	
298	ALH-77296	483.50	L6	24	21	A/B	
299	ALH-77297	480.79	L6	24	20	A	
300	ALH-77299	114.99	H3	(11-21)	(15-20)	A	
301	ALH-77300	126.29	H5	18	16	C	
302	ALH-77301	26.65	L6	24.9	20.9	A	
303	ALH-77302	114.36	Euc(pol)		(34.8-56.0)	A	Pl(An68.1-94.9), En30.8-62.8Fs31.8-56.0Wo3.6-19.0
304	ALH-77303	34.75	L3	n.d.	n.d.	B/C	
305	ALH-77304	334.26	LL3	25.3(23.7-26.1)	16.9(6.1-33.5)	B	En56.9Fs22.9Wo20.1, ap.chro.il.sp.
306	ALH-77305	3174.41	L6	24	21	B/C	
307	ALH-77306	9.64	C2	(1-45)	1	A	
308	ALH-77307	85.59	C3V	(1-30)	(1-12)	A	
309	PGP-77006	8160	IAOg				

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
1	ALH-78001	43.94					
2	ALH-78002	(11.48)					
3	ALH-78003	62.42					
4	ALH-78004	19.11	H5	19.2			
5	ALH-78005	13.26					
6	ALH-78006	4.36	How		(25-61)	A	
7	ALH-78007	8.45	H5	18.6(17.4-20.6)	17.8(15.5-27.6)		
8	ALH-78008	(7.36)					
9	ALH-78009	9.18	H4	18.4(17.8-19.3)	15.8(14.9-16.5)		
10	ALH-78010	(1.26)					
11	ALH-78011	4.84	L3	17.8(1.3-40.6)	11.8(0.8-39.2)		Pl(An63.7Or1.5), En82.8Fs9.8Wo7.4
12	ALH-78012	18.42					
13	ALH-78013	(4.06)					
14	ALH-78014	6.95	L3	19.6(0.5-42.1)	12.1(1.6-39.0)		pigeonite, Ca-px.
15	ALH-78015	17.04	LL3	(8-35)			
16	ALH-78016	2.55	H5	18.7(18.1-19.3)	16.7(15.9-19.5)		Pl(An9.3, 12.1), maskl., merri.
17	ALH-78017	(2.90)					
18	ALH-78018	8.30					
19	ALH-78019	16.27	Ure	(19.1-23.6)	18	B/C	En70.9-72.2Fs17.6-19.2Wo9.0-10.1
20	ALH-78020	14.17	H4	18.4(17.8-19.3)	16.0(15.3-16.9)		Pl(An10.7)
21	ALH-78021	8.13					
22	ALH-78022	6.54	H5	18.6(17.7-19.4)	16.0(15.1-16.7)		merrillite
23	ALH-78023	(9.84)					
24	ALH-78024	3.15	H6	18.7(18.0-19.4)	16.3(14.7-18.1)		En49.0Fs5.6Wo45.3, merrillite
25	ALH-78025	(8.34)					
26	ALH-78026	7.78	H4	18.4(17.4-19.5)	15.8(15.3-16.5)		
27	ALH-78027	11.50	H5	19.3			
28	ALH-78028	(4.42)					
29	ALH-78029	(4.11)					
30	ALH-78030	2.68	H5	18.2(17.4-19.0)	16.2(15.1-18.1)		Pl(An11.4-12.7), merrillite
31	ALH-78031	(4.56)					
32	ALH-78032	2.08	H6	18.5(17.4-19.5)	16.3(15.3-17.7)		Pl(An12.3, 13.8), maskl., merri.
33	ALH-78033	(5.04)					
34	ALH-78034	2.35	H6	19.4(18.7-20.1)	17.0(16.3-17.6)		Pl(An11.8-12.2)
35	ALH-78035	(2.47)					
36	ALH-78036	1.03	H5	19.0(18.3-20.5)	16.8(15.7-18.5)		En48.7Fs6.6Wo44.7, merrillite
37	ALH-78037	(0.47)					
38	ALH-78038	179.88	L3	(4-42)	(2-19)	C	
39	ALH-78039	151.03	L6	24	21	B	
40	ALH-78040	108.21	Euc(pol)		(26.6-60.9)	A	Pl(An74.3-92.1), En27.9-69.1Fs26.6-60.9Wo1.9-29.3
41	ALH-78041	57.72					
42	ALH-78042	104.30	L6	24	20	B	
43	ALH-78043	336.99	L6	25	21	B	
44	ALH-78044	80.19	L4	(23-25)	(19-24)	B/C	
45	ALH-78045	182.23	L6	25	21	B/C	
46	ALH-78046	31.50					
47	ALH-78047	63.05	H5	18.8		B	
48	ALH-78048	98.26	L6	24	21	A/B	
49	ALH-78049	49.42					
50	ALH-78050	523.41	L6	23	20	B	
51	ALH-78051	61.84					
52	ALH-78052	49.43	H5	17.9		C	
53	ALH-78053	95.25	H4	17	16	C	
54	ALH-78054	9.31	LL5	29.7(27.8-30.7)	24.0(23.3-25.6)		En46Fs10Wo44, En69.5Fs21.7Wo8.8, merri. ap.
55	ALH-78055	(13.68)					
56	ALH-78056	10.61	H	17.9(16.6-19.2)	15.5(14.9-17.4)		En63.0Fs9.0Wo28.0, chro. merri. shocked
57	ALH-78057	(8.67)					
58	ALH-78058	14.44	H5	18.0(17.1-19.1)	16.0(16.8-17.4)		merrillite
59	ALH-78059	(9.10)					
60	ALH-78060	5.41	H6	19.1(18.1-19.8)	16.7(15.6-17.3)		Pl(An11.3, 11.9), En48.0Fs6.0Wo46.0
61	ALH-78061	1.64	H5	18.3(17.3-18.7)	15.9(15.3-16.5)		En48.3Fs5.2Wo46.5, merri.
62	ALH-78062	(10.91)					
63	ALH-78063	37.02					
64	ALH-78064	10.37	L				
65	ALH-78065	(7.34)					
66	ALH-78066	8.48	H5	18.4(17.6-21.7)	16.0(14.7-19.4)		En49.9Fs6.3Wo47.1
67	ALH-78067	(7.77)					
68	ALH-78068	3.19	L6	24.2(22.8-26.1)	20.3(19.8-21.0)		merrillite
69	ALH-78069	(4.42)					
70	ALH-78070	(9.99)					

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
71	ALH-78071	5.72	H6	18.2(17.0-19.5)	16.3		Pl(An10.6)
72	ALH-78072	(1.94)					
73	ALH-78073	2.98	L6	29.0(25.0-29.8)	23.9(22.8-24.5)		Pl(An10.1, 12.9), En50.1Fs10.1Wo39.8, sp., maskl.
74	ALH-78074	100.73	L6	24	21	B	
75	ALH-78075	142.09	H5	18	16	B/C	
76	ALH-78076	139.60	H6	18	16	B	
77	ALH-78077	164.67	H4	19	(15-18)	C	
78	ALH-78078	142.90	L6	24	20	A/B	
79	ALH-78079	(4.53)					
80	ALH-78080	12.94					
81	ALH-78081	10.50	H5	19.1			
82	ALH-78082	12.06					
83	ALH-78083	11.43	H	18.8(7.6-32.4)	16.6(15.1-21.2)	I	Pl(An10.4), En44.9Fs9.5Wo5.6, spinel
84	ALH-78084	6588	H3	18.5(17.3-19.9)	16.8(8.3-30.7)	B/C	chromite, spinel
85	ALH-78085	104.30	H5	18	16	B	
86	ALH-78086	(8.97)	H6	19.0			
87	ALH-78087	7.95	H5	18.4(17.8-19.4)	16.0(15.8-16.4)		Pl(An11.0), merrillite
88	ALH-78088	(5.17)	H5	18.8			
89	ALH-78089	12.23	H4	17.3(16.5-17.8)	15.2(14.9-15.7)		En76.8Fs13.0Wo10.1
90	ALH-78090	(7.51)	H5	18.7			
91	ALH-78091	2.54	H4	18.5(17.4-19.7)	16.1(15.0-16.7)		
92	ALH-78092	8.62	H5	19.0			
93	ALH-78093	2.62	H4(-5)	18.6(17.5-19.8)	16.1(15.5-17.1)		Pl(An14.4), En47.0Fs5.8Wo47.1
94	ALH-78094	(4.01)	H5	19.1			
95	ALH-78095	8.20	H5	17.5(16.7-17.9)	15.7(14.9-17.4)		Pl(An8.5)
96	ALH-78096	(7.44)	H5	18.9			
97	ALH-78097	2.30	H	18.2(17.2-19.8)	16.0(14.4-16.9)		Pl(An12.2), En49.2Fs6.0Wo44.8
98	ALH-78098	(2.15)	H5	18.9			
99	ALH-78099	2.10	H5	18.1(17.0-18.8)	16.1(15.3-17.1)		En77.8Fs14.2Wo8.0
100	ALH-78100	40.4	IIA				
101	ALH-78101	59.90					
102	ALH-78102	160.89	H5	18	17	B/C	
103	ALH-78103	297.53	L6	24	20	B	
104	ALH-78104	283.09	L6	24	20	B	
105	ALH-78105	470.36	L6	23	20	B	
106	ALH-78106	228.80	L6	24	20	A/B	
107	ALH-78107	92.56	H5	18	17	C	
108	ALH-78108	83.80	H5	18	16	B	
109	ALH-78109	109.28	LL5	28	23	A/B	
110	ALH-78110	81.37	H5	18	16	B/C	
111	ALH-78111	65.50	H5	18	16	B/C	
112	ALH-78112	1207.92	L6	25	20	B	
113	ALH-78113	145.40	Aub	0	(0-0.1)	A/B	Pl(An25.3, Or1.5), En98.7-99.5Fs0-0.1Wo0.3-1.3
114	ALH-78114	362.05	L6	25	20	B/C	
115	ALH-78115	424.42	H6	18	16	B	
116	ALH-78116	66.59	H5	18.7		B	
117	ALH-78117	(4.32)					
118	ALH-78118	7.92	H5	18.1(17.3-18.7)	15.6(15.1-16.3)		Pl(An11.8), En78.6Fs14.9-En49.2Fs5.9, ap., merri.
119	ALH-78119	50.81					
120	ALH-78120	21.11					
121	ALH-78121	15.04	H5	19.2			
122	ALH-78122	(4.67)					
123	ALH-78123	9.64					
124	ALH-78124	13.30					
125	ALH-78125	8.18	L6	25.0		B	
126	ALH-78126	300.34	L6	25	21	B	
127	ALH-78127	97.24	L6	24	20	B/C	
128	ALH-78128	78.72	H5	19	17	C	
129	ALH-78129	61.73					
130	ALH-78130	1321.10	L6	25	21	B/C	
131	ALH-78131	129.29	L6	25	21	B/C	
132	ALH-78132	329.85	Euc(pol)		(29.4-63.7)	A	Pl(An70.2-91.5), En26.4-66.3Fs26.5-64.7Wo1.9-41.5
133	ALH-78133	28.49					
134	ALH-78134	226.62	H4	18	(15-20)	B/C	
135	ALH-78135	68.61	H6	19.0		B	
136	ALH-78136	24.67					
137	ALH-78137	37.33					
138	ALH-78138	(10.77)					
139	ALH-78139	7.13	H5	19.3			
140	ALH-78140	8.02					

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
141	ALH-78141	12.02					
142	ALH-78142	15.51	L5	24.2			
143	ALH-78143	2.23	LL3	26.6(1.1-41.8)	16.6(3.7-33.3)		En66.7Fs25.4Wo7.9, chromite
144	ALH-78145	18.75					
145	ALH-78146	8.48					
146	ALH-78147	15.40	H5-6	19.4			
147	ALH-78148	3.32	H5	18.6(18.1-19.2)	(15.9-17.1)		Pl(An12.3), merrilite
148	ALH-78149	12.58					
149	ALH-78150	7.46					
150	ALH-78151	10.34	H6-5	17.8(17.2-18.8)	15.6(14.6-16.2)		
151	ALH-78152	(4.74)					
152	ALH-78153	81.41	LL6	29	24	B/C	
153	ALH-78154	(11.80)					
154	ALH-78155	4.36	H6	18.6(17.6-19.2)	17.1(16.1-20.8)		Pl(An10.8-12.6), chromite
155	ALH-78156	(8.61)					
156	ALH-78157	31.53					
157	ALH-78158	7.02	Euc(pol)		(35.4-56.2)	A	Pl(An78.5-94.0), En28.2-61.9Fs32.5-56.2Wo2.5-28.4
158	ALH-78159	11.74					
159	ALH-78160	7.51	H5	19.3			
160	ALH-78161	3.00	L6	24.7(23.9-27.1)	20.4(20.0-21.0)		En47.8Fs7.5Wo44.6, ap., maskl.
161	ALH-78162	16.27					
162	ALH-78163	(9.60)					
163	ALH-78164	13.44					
164	ALH-78165	9.30	Euc(pol)		(57.6-60.7)	A	Pl(An80.9-87.3), En29.9-40.4Fs37.4-60.7Wo2.1-32.7
165	ALH-78167	11.30	H6	18.8(18.0-20.3)	16.2(15.9-16.5)		Pl(An12.3-12.6), En48.4Fs5.6Wo45.9, merri.
166	ALH-78168	16.67					
167	ALH-78169	11.57					
168	ALH-78170	8.70					
169	ALH-78171	9.93					
170	ALH-78172	16.30					
171	ALH-78173	9.70					
172	ALH-78174	(13.48)					
173	ALH-78175	9.71	H6	18.3(17.6-18.9)	16.0(15.6-16.3)		Pl(An8.8, 9.9)
174	ALH-78176	(8.22)					
175	ALH-78177	12.46	H5	18.9(18.0-21.2)	16.5(15.5-17.4)		Pl(An10.9)
176	ALH-78178	(7.24)					
177	ALH-78179	10.88	H4	18.2(17.2-19.0)	15.7(15.1-16.5)		
178	ALH-78180	(7.87)					
179	ALH-78181	7.15	H4	17.4(16.5-17.7)	15.3(14.8-15.9)		Pl(An12.2)
180	ALH-78182	(10.07)					
181	ALH-78183	10.49	H4	18.6(17.9-19.6)	16.0(15.4-16.6)		Pl(An11.3), En74.2Fs14.1Wo11.7, merri.
182	ALH-78184	(8.24)					
183	ALH-78185	5.77	L6	24.2(23.3-25.1)	20.4(19.8-21.3)		Pl(An9.9-10.8)
184	ALH-78186	(3.09)					
185	ALH-78187	3.67	L6	23.8(23.3-24.4)	20.3(19.5-23.5)		En48.4Fs8.0Wo43.6, maskl., merri.
186	ALH-78188	(0.87)	L3	(1-34)	(5-29)	C	
187	ALH-78189	11.64					
188	ALH-78190	8.68					
189	ALH-78191	9.93					
190	ALH-78192	12.42	H5	18.1(17.4-18.6)	15.8(14.8-17.5)		Pl(An10.8, 12.1), En49.4Fs5.3Wo45.3, merri.
191	ALH-78193	(13.33)	H4	18	16	B/C	
192	ALH-78194	11.40					
193	ALH-78195	14.95	H5	18.4(17.5-20.7)	15.8(15.4-16.7)		Pl(An11.5), En48.4Fs6.4Wo45.2, ap., merri.
194	ALH-78196	(11.18)	H4	18	16	B/C	
195	ALH-78197	9.32					
196	ALH-78198	10.47	H4	17.9(15.4-19.0)	15.4(14.7-16.0)		Pl(An10.3, 11.6), En46.7Fs5.5Wo47.8, merri.
197	ALH-78199	(12.78)					
198	ALH-78200	17.17	H6	17.5(16.8-18.1)	15.4(14.7-15.9)		Pl(An10.6-12.1), En67.0Fs9.3Wo23.8, ap., merri.
199	ALH-78201	(9.84)					
200	ALH-78202	12.95	H5	18.0(16.9-20.3)	15.5(14.0-16.3)		En48.7Fs5.8Wo44.5, merri.
201	ALH-78203	(10.86)					
202	ALH-78204	11.11	H5	18.4(17.5-21.1)	15.9(14.9-16.8)		Pl(An10.1-12.1), En47.9-49.6Fs5.3-6.3Wo44.1-46.3
203	ALH-78205	(8.93)					
204	ALH-78206	9.77	H5	18.2(17.2-18.8)	15.4(9.9-17.8)		Pl(An11.7-12.2), En49.0Fs5.4Wo45.7, merri.
205	ALH-78207	(8.37)					
206	ALH-78208	10.46	H4	18.1(17.3-19.1)	15.9(15.1-16.9)		En49.2-58.6Fs5.3-7.1Wo34.4-45.5, merri., ap.
207	ALH-78209	(12.12)	H5	18	15	B/C	
208	ALH-78210	8.95	H5	18.4(17.4-20.2)	16.9(15.7-20.4)		Pl(An11.6), En74.2Fs15.5Wo10.3, merri., ap.
209	ALH-78211	(11.48)	H6	18	16	B	
210	ALH-78212	7.72	H5	18.5(17.8-20.4)	15.5(11.2-17.5)		with H6 clast. Pl(An11.3-12.2), merri.

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
211	ALH-78213	(9.56)	H6	18	15	B	
212	ALH-78214	5.61	H5	18.2(17.2-19.5)	16.2(14.8-18.3)		En48.0Fs5.9Wo16.2, En55.7Fs7.9Wo36.4, merri
213	ALH-78215	(6.36)	H6	18	16	B/C	
214	ALH-78216	4.75	H5	18.3(17.1-18.7)	15.8(15.5-16.5)		merri, En48.5Fs6.0Wo45.4
215	ALH-78217	(8.33)					
216	ALH-78218	7.85	H4	18.4(17.8-19.2)	15.8(14.9-16.3)		
217	ALH-78219	(8.22)					
218	ALH-78220	8.57	H5	18.1(17.6-18.5)	15.6(14.7-16.4)		
219	ALH-78221	(5.39)	H5	18	16	B	
220	ALH-78222	5.02	H5	18.3(17.6-19.3)	16.1(15.0-19.1)		En49.0Fs5.8Wo45.2
221	ALH-78223	(6.46)	H5	18	16	B	
222	ALH-78224	6.50	H5	18.4(17.1-21.8)	16.0(15.4-17.7)		Pl(An8.4-12.5), merrillite
223	ALH-78225	(4.55)	H5	18	16	B	
224	ALH-78226	6.26	H5	18.5(17.4-20.4)	16.2(15.1-17.0)		merrillite, apatite, with H6 clast
225	ALH-78227	(2.39)	H5	18	16	B/C	
226	ALH-78228	2.96	H5	18.2(17.1-19.1)	16.0(15.0-17.1)		Pl(An5.3, 11.5)
227	ALH-78229	(1.92)	H6	18	15	B	
228	ALH-78230	3.87	Unique	10.3(9.9-10.8)	9.8(9.4-10.2)		En52Fs4.5Wo43.6, Pl(An13.0-14.9)
229	ALH-78231	(1.88)	H6	18	16	B/C	
230	ALH-78232	2.52	H5	18.3(17.6-19.8)	16.6(15.3-24.1)		Pl(An9.8)
231	ALH-78233	(1.29)	H5	18	16	B/C	
232	ALH-78234	0.52	H5	19.0(17.8-20.9)	16.4(15.7-17.1)		
233	ALH-78235	9.02					
234	ALH-78236	(14.37)					
235	ALH-78237	13.27	L3	17.7(0.3-49.4)	9.4(1.0-32.6)		
236	ALH-78238	(9.8)					
237	ALH-78239	8.61					
238	ALH-78240	9.31	H4	18.6(15.9-19.8)	16.3(15.5-17.9)		
239	ALH-78241	(6.51)					
240	ALH-78242	7.34	H4	18.5(17.3-21.6)	15.6(3.8-19.7)		
241	ALH-78243	(1.87)					
242	ALH-78244	3.18	Terr.				
243	ALH-78245	(3.99)					
244	ALH-78246	6.17	H5	18.5(17.7-20.3)	16.2(15.5-17.6)		
245	ALH-78247	(2.69)					
246	ALH-78248	4.73	H4	18.3(17.8-20.0)	16.0(15.0-18.5)		merri.
247	ALH-78249	(4.18)					
248	ALH-78250	2.87		24.5(5.4-41.6)	13.4(2.1-38.8)		En78.6Fs12.5Wo8.9
249	ALH-78251	662.44	L6	23	20	B	
250	ALH-78252	1318	IVA				
251	ALH-78253	(6.83)					
252	ALH-78254	6.04	H4	18.6(18.1-19.5)	16.1(15.3-17.7)		
253	ALH-78255	(3.19)					
254	ALH-78256	3.35	H4	18.4(17.4-19.3)	16.1(15.0-17.1)		En48.3Fs6.2Wo45.5 En45.8Fs9.7Wo44.5, ap.
255	ALH-78257	(2.10)					
256	ALH-78258	8.42	H4	18.5(17.9-19.8)	16.1(15.3-16.6)		Pl(An8.7), merrillite
257	ALH-78259	(6.18)					
258	ALH-78260	2.72	L6	24.5(22.8-28.5)	20.8(20.0-22.2)		maskelynite
259	ALH-78261	2.43	C2	(0-50)	(1-8)	A	
260	ALH-78262	12.05	Ure	21.6(20.8-22.5)	18.0(16.9-18.9)	B/C	
261	BTN-78001	79.96	L6	24	21	B	
262	BTN-78002	1755.0	L6	24	20	B	
263	BTN-78004	543.44	LL6	30	24	B	
264	BTN-78005	43.50					
306	DRP-78001	15200	IIB				
307	DRP-78003	144.2	IIB				
308	DRP-78007	11800	IIB				
309	DRP-78008	58400	IIB				
310	DRP-78009	138100	IIB				
311	DRP-78010	missing					
312	RKP-78001	116.64	L6	23	20		
313	RKP 78002	4118.50	H4	18	15		
314	RKP-78003	630.20	L6	23	20		
315	RKP-78004	88.90	H4	17	14-21		
316	RKP-78005	16.88					

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
265	MET-78001	307.51	H4	17	(14-21)	B/C	
266	MET-78002	261.94	L6	23	20	B	
267	MET-78003	859.66	L6	24	21	B	
268	MET-78004	15.90					
269	MET-78005	88.13	L6	24	20	B	
270	MET-78006	201.68	H6	18	15	C	
271	MET-78007	90.75	H6	19	17	B/C	
272	MET-78008	61.69					
273	MET-78009	13.23					
274	MET-78010	112.53	H5	19	17	B	
275	MET-78011	59.80					
276	MET-78012	44.01					
277	MET-78013	69.43					
278	MET-78014	54.90					
279	MET-78015	17.46					
280	MET-78016	56.60					
281	MET-78017	24.49					
282	MET-78018	42.14					
283	MET-78019	47.26					
284	MET-78020	31.46					
285	MET-78021	11.41					
286	MET-78022	26.32					
287	MET-78023	27.83					
288	MET-78024	12.00					
289	MET-78025	29.79					
290	MET-78026	36.03					
291	MET-78027	24.54					
292	MET-78028	10103.42	L6	25	21	B	

Table 4. Contiuned

	Meteorite Name	Ori.Wght	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
1	Yamato-790001	3.92					
2	Yamato-790002	0.48					
3	Yamato-790003	4.29	C2	2.3(0.3-20.4)	2.2(0.5-5.6)		
4	Yamato-790004	4.67					
5	Yamato-790005	49.49	L6	23.9(23.0-25.6)	19.9(18.6-20.8)		Pl(An10), En47.4-47.7Fs7.0-6.8Wo45.4-45.6
6	Yamato-790006	29.42	Euc(pol)				
7	Yamato-790007	80.38	Euc(pol)				
8	Yamato-790008	11.39					
9	Yamato-790009	12.46					
10	Yamato-790010	50.57	H4	17.4(10.8-20.8)	15.0(10.4-23.4)		
11	Yamato-790011	8.20					
12	Yamato-790012	3.86					
13	Yamato-790013	8.94					
14	Yamato-790014	2.88					
15	Yamato-790015	2.63					
16	Yamato-790016	2.94					
17	Yamato-790017	3.69					
18	Yamato-790018	1.62					
19	Yamato-790019	9.88					
20	Yamato-790020	86.27	Euc(pol)				
21	Yamato-790021	3.58	H	18.8(17.7-19.5)	16.1(14.7-17.3)		
22	Yamato-790022	1.66					
23	Yamato-790023	1.08					
24	Yamato-790024	3.99					
25	Yamato-790025	0.91					
26	Yamato-790026	2.68					
27	Yamato-790027	2.75					
28	Yamato-790028	2.86					
29	Yamato-790029	2.75					
30	Yamato-790030	0.37					
31	Yamato-790031	0.88					
32	Yamato-790032	7.73	C2	6.9(0.2-49.8)	1.9(0.7-4.8)		to Y-790034, En49.2Fs2.2Wo48.5
33	Yamato-790035	20.06	L	24.8(24.0-25.5)	20.7(19.8-21.9)		to Y-790041, Pl(An8.9)
34	Yamato-790042	2.64					
35	Yamato-790043	162.01	H4	18.5(17.0-20.3)	16.4(14.9-19.4)		shocked, En51.5Fs6.5Wo42.0
36	Yamato-790044	44.02					
37	Yamato-790045	22.98					
38	Yamato-790046	2.88					
39	Yamato-790047	620.25	H4	18.0(17.3-19.4)	16.2(15.0-18.1)		to Y-790110
40	Yamato-790111	0.81					
41	Yamato-790112	23.97	CR	2.39(0.5-29.9)	2.2(0.9-3.9)		
42	Yamato-790113	19.00					
43	Yamato-790114	23.92					
44	Yamato-790115	51.38					
45	Yamato-790116	190.65					
46	Yamato-790117	151.37					
47	Yamato-790118	12.25					
48	Yamato-790119	11.07					
49	Yamato-790120	2.82					
50	Yamato-790121	10.36					
51	Yamato-790122	109.54	Euc(pol)				Ca12-14Mg38-35Wo50-51
52	Yamato-790123	6.79					
53	Yamato-790124	10.27					
54	Yamato-790125	6.02					
55	Yamato-790126	7.38	L	23.7(17.6-26.1)	19.6(18.6-21.5)		En50.3-71.2Fs11.5-20.5Wo8.3-38.2, Cr-rich
56	Yamato-790127	6.24					
57	Yamato-790128	56.81					
58	Yamato-790129	12.11					
59	Yamato-790130	107.30	H4	17.6(16.8-18.3)	15.1(14.7-16.7)		
60	Yamato-790131	2.13					
61	Yamato-790132	4.54					
62	Yamato-790133	60.01					
63	Yamato-790134	51.20					
64	Yamato-790135	0.63					
65	Yamato-790136	16.76					
66	Yamato-790137	27.68					
67	Yamato-790138	39.32					
68	Yamato-790139	29.77					
69	Yamato-790140	13.51					
70	Yamato-790141	25.78					

Table 4. Contiuned

	Meteorite Name	Ori.Wght	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
71	Yamato-790142	83.49	H6	19.0(18.1-19.8)	16.5(15.7-17.4)		An11.0-11.9 Or4.7-11.1
72	Yamato-790143	52.26	LL	19.4(27.6-31.8)			
73	Yamato-790144	92.32	LL	27.8(25.7-31.6)	22.8(21.2-24.6)		En49.7-66.4Fs17.5-23.8Wo10.1-32.5
74	Yamato-790145	18.69					
75	Yamato-790146	3.74					
76	Yamato-790147	54.26					
77	Yamato-790148	3.57					
78	Yamato-790149	16.23					
79	Yamato-790150	8.01					
80	Yamato-790151	8.20					
81	Yamato-790152	4.08					
82	Yamato-790153	7.99					
83	Yamato-790154	9.99					
84	Yamato-790155	35.37					
85	Yamato-790156	7.56					
86	Yamato-790157	8.40					
87	Yamato-790158	4.16					
88	Yamato-790159	9.58					to Y-790160
89	Yamato-790161	88.38	H3	18.3(17.1-18.9)	17.6(11.5-28.3)		En64.6Fs26.9Wo8.5, spinel(50-60%Al_2O_3)
90	Yamato-790162	7.27					
91	Yamato-790163	15.42					
92	Yamato-790164	6.89					
93	Yamato-790165	8.96					
94	Yamato-790166	64.42					
95	Yamato-790167	18.75					
96	Yamato-790168	3.28					
97	Yamato-790169	41.00					
98	Yamato-790170	65.95					
99	Yamato-790171	70.88					to Y-790172
100	Yamato-790173	4.60					to Y-790174
101	Yamato-790175	286.9	H5	18.3(17.4-19.8)	15.9(15.4-16.6)		
102	Yamato-790176	43.75					
103	Yamato-790177	4.71					
104	Yamato-790178	234.7	L6	24.4(23.1-25.4)	20.3(19.6-21.1)		
105	Yamato-790179	5.37					
106	Yamato-790180	4.75					
107	Yamato-790181	17.51					
108	Yamato-790182	9.39					
109	Yamato-790183	18.71					
110	Yamato-790184	6.26					
111	Yamato-790185	227.87	L6	24.7(23.3-26.3)	20.5(19.2-22.4)		to Y-790186
112	Yamato-790187	16.64					
113	Yamato-790188	3.22					
114	Yamato-790189	7.60					
115	Yamato-790190	5.85					
116	Yamato-790191	18.50					
117	Yamato-790192	12.17					
118	Yamato-790193	71.35					
119	Yamato-790194	13.07					
120	Yamato-790195	70.57					
121	Yamato-790196	17.34					
122	Yamato-790197	11.14					
123	Yamato-790198	3.94					
124	Yamato-790199	105.74	H	18.8(17.8-20.0)	16.5(15.3-17.6)		
125	Yamato-790200	20.15					
126	Yamato-790201	18.30					
127	Yamato-790202	1.83					
128	Yamato-790203	2.78					
129	Yamato-790204	18.07					
130	Yamato-790205	4.83					
131	Yamato-790206	16.95					to Y-790211
132	Yamato-790212	3.72					
133	Yamato-790213	1.50					
134	Yamato-790214	4.04					
135	Yamato-790215	42.88	H4	18.6(16.8-20.1)	16.0(15.2-17.5)		to Y-790236
136	Yamato-790237	14.03					
137	Yamato-790238	44.22					to Y-790243
138	Yamato-790244	6.17					to Y-790245
139	Yamato-790246	18.40					
140	Yamato-790247	475.9	L5	23.1(21.9-25.4)	19.7(17.7-21.2)		

Table 4. Contiuned

	Meteorite Name	Ori.Wght	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
141	Yamato-790248	3.88					to Y-790249
142	Yamato-790250	354.2	LL	29.8(27.7-41.8)	23.1(20.9-25.5)		En50.2-71.2Fs14.6-24.3Wo5.2-35.2
143	Yamato-790251	274.6	H4	17.3(16.2-19.6)	15.3(14.5-16.7)		
144	Yamato-790252	19.43					
145	Yamato-790253	232.0	L	23.5(22.7-24.2)	19.4(18.3-22.0)		
146	Yamato-790254	92.26	H6	20.1(19.1-21.6)	17.7(16.5-19.6)		En48.6Fs6.4Wo45.0
147	Yamato-790255	51.27					
148	Yamato-790256	382.1	LL6	30.1(29.0-31.0)	24.1(23.5-24.8)		Pl(An10)
149	Yamato-790257	126.04	L	24.0(22.9-25.6)	20.0(19.3-20.8)		
150	Yamato-790258	21.56					
151	Yamato-790259	18.93					
152	Yamato-790260	433.9	Euc(pol)				Ca7Mg64Fe29(core), Ca9Mg45Fe46(rim)
153	Yamato-790261	82.35					to Y-790263
154	Yamato-790264	3.09					
155	Yamato-790265	17.16					
156	Yamato-790266	208.0	Euc(pol)				Ca6Mg36Fe58(Pig), Ca28Mg32Fe40(Aug)
157	Yamato-790267	13.19					
158	Yamato-790268	7.09					
159	Yamato-790269	2274.19	H4-5	18.0(16.7-19.2)	15.7(14.6-16.7)		to Y-790330
160	Yamato-790331	36.25					
161	Yamato-790332	28.66					
162	Yamato-790333	17.73					
163	Yamato-790334	15.22					
164	Yamato-790335	9.98					
165	Yamato-790336	9.71					
166	Yamato-790337	180.32	H4	18.2(17.3-20.3)	16.8(15.2-20.2)		to Y-790343
167	Yamato-790344	5.26					
168	Yamato-790345	233.6	LL	27.8(26.4-29.2)			
169	Yamato-790346	35.14	H6	19.7(18.5-20.8)	17.0(16.0-18.1)		to Y-790359, shocked, Pl(An11.8-12.0) merri.ap.
170	Yamato-790360	251.36					to Y-790379
171	Yamato-790380	6.73					to Y-790381
172	Yamato-790382	113.61	H4	18.6(17.6-20.5)	16.2(15.7-16.7)		
173	Yamato-790383	27.90					to Y-790384
174	Yamato-790385	4.21					
175	Yamato-790386	148.86	H6	19.1(18.1-21.2)	16.5(15.7-17.6)		Pl(An81.3, 7.0, 11.7)
176	Yamato-790387	21.13					
177	Yamato-790388	58.02					to Y-790391
178	Yamato-790392	21.99					
179	Yamato-790393	67.82	H5	18.9(17.7-22.8)	16.6(14.6-19.5)		to Y-790395
180	Yamato-790396	5.06					
181	Yamato-790397	168.70	LL	29.5(26.6-33.0)	23.6(20.9-26.4)		to Y-790398
182	Yamato-790399	213.74	L6	24.8(23.9-26.4)	20.6(19.8-21.0)		to Y-790400, shocked, Pl(An11.3), chro. maskel.
183	Yamato-790401	389.5	H4	18.5(17.7-19.7)	15.8(15.1-16.9)		
184	Yamato-790402	130.38					to Y-790405
185	Yamato-790406	165.71	LL6	30.1(29.1-30.8)	24.5(23.0-25.9)		Pl(An11.0,11.1)
186	Yamato-790407	51.22	H4	18.5(17.3-19.8)	15.9(14.4-17.1)		to Y-790413
187	Yamato-790414	67.02					
188	Yamato-790415	63.44					
189	Yamato-790416	142.46	H5	19.3(18.5-21.2)	16.5(16.2-17.1)		
190	Yamato-790417	304.69	H6	19.0(17.7-20.3)	16.8(16.2-17.7)		to Y-790423, En48.1-48.8Fs5.5-6.3Wo44.9-46.4
191	Yamato-790424	63.64	H6	19.7(18.9-20.7)	17.1(16.1-17.9)		to Y-790431, shocked, Pl(An11.7, 12.3)
192	Yamato-790432	101.41	H4	18.0(17.0-19.0)	15.6(14.9-16.2)		to Y-790440
193	Yamato-790441	4.04					to Y-790442
194	Yamato-790443	30.41					to Y-790444
195	Yamato-790445	1574	H6(-5)	19.1(18.0-20.8)	16.8(15.6-17.7)		pl(An9.9 Ab83 Or7.1)
196	Yamato-790446	713.0	L6	24.8(24.1-25.7)	21.5(20.1-23.1)		Pl(An11.0)
197	Yamato-790447	3.03	Euc		(16.8-60.0)		Pl(An76.8-94.6)
198	Yamato-790448	3480	LL3	9.5(0.2-24.9)	5.8(1.1-16.1)		
199	Yamato-790449	12.08					to Y-790450
200	Yamato-790451	23.31					
201	Yamato-790452	82.15	L6	24.6(23.7-27.2)	20.8(20.3-22.2)		Pl(An9.4-10.6),En41.7-53.5Fs7.0-8.5Wo38.0-46.0
202	Yamato-790453	106.06	L6	24.3(23.5-25.8)	20.3(19.6-21.1)		Pl(An11.1)
203	Yamato-790454	10.10					
204	Yamato-790455	22.68					
205	Yamato-790456	72.65					
206	Yamato-790457	10.86					
207	Yamato-790458	8.99					
208	Yamato-790459	19.92					
209	Yamato-790460	1364.9	H3	17.0(7.2-21.1)	11.9(1.9-18.7)		to Y-790461
210	Yamato-790462	1371	L6	24.7(23.8-25.6)	20.7(20.0-21.7)		Pl(An9.8-10.7), En47.3-53.2Fs7.7-14.7Wo32.1-45.0

Table 4. Contiuned

	Meteorite Name	Ori.Wght	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
211	Yamato-790463	495.33	H5-6	20.4(19.0-24.2)	17.2(16.4-19.8)		to Y-790486,Pl(An11.7,12.9),En48.2Fs6.5Wo45.3
212	Yamato-790487	14.73					
213	Yamato-790488	10.23					
214	Yamato-790489	222.8	L	24.7(19.8-28.2)	21.0(18.6-23.7)		shocked, En52.1-68.1Fs15.2-21.5Wo10.4-28.7
215	Yamato-790490	1.18					
216	Yamato-790491	15.81					
217	Yamato-790492	2.76					
218	Yamato-790493	30.09					to Y-790498
219	Yamato-790499	469.2					
220	Yamato-790500	38.45	L6	24.3(23.3-25.2)	20.2(19.4-21.0)		
221	Yamato-790501	37.16					
222	Yamato-790502	110.28	H4	18.2(17.1-19.2)	15.8(14.7-16.7)		En64.4Fs15.1Wo20.3
223	Yamato-790503	40.10					
224	Yamato-790504	29.93					to Y-790507
225	Yamato-790508	12.83					
226	Yamato-790509	62.80					to Y-790512
227	Yamato-790513	14.98					
228	Yamato-790514	68.86					
229	Yamato-790515	8.99					
230	Yamato-790516	5.49					
231	Yamato-790517	189.58	Iron				
232	Yamato-790518	91.59					
233	Yamato-790519	10061.76	LL	23.4(20.0-26.7)	19.5(17.0-21.5)		to Y-790722, shocked, Pl(An30.7-52.4) En64.3Fs16.2Wo19.5
234	Yamato-790721	1.86					
235	Yamato-790722	50.01					
236	Yamato-790723	5483.2	L5	26.4(24.7-27.6)	19.5(8.0-22.9)		En73.3Fs20.1Wo6.4
237	Yamato-790724	2166.0	Iron				
238	Yamato-790725	4.10					
239	Yamato-790726	51.44					
240	Yamato-790727	120.42	How				
241	Yamato-790728	368.0	LL				
242	Yamato-790729	236.8	L6	25.1(23.7-28.2)	21.2(19.2-22.7)		shocked, ringwoodite, En47.4Fs8.4Wo44.2
243	Yamato-790730	58.32					
244	Yamato-790731	88.11	L5	23.9(22.5-25.0)	21.0(18.9-23.2)		Pl(An10.6-17.0)
245	Yamato-790732	35.01					
246	Yamato-790733	6.09					
247	Yamato-790734	793.97	L6	24.6(23.8-25.5)	20.2(19.6-20.9)		to Y-790738, Pl(An11.4), En47.0Fs6.9Wo46.1
248	Yamato-790739	1831.3					
249	Yamato-790740	206.0					
250	Yamato-790741	67.98					
251	Yamato-790742	40.40					to Y-790743
252	Yamato-790744	18.70					
253	Yamato-790745	8.43					
254	Yamato-790746	465.9	H6-5	19.1(16.1-20.2)	16.5(14.6-18.1)		
255	Yamato-790747	10.31					
256	Yamato-790748	498.8					
257	Yamato-790749	1714.8	H5	18.3(17.0-19.1)	16.1(15.7-16.9)		
258	Yamato-790750	11.19					
259	Yamato-790751	4.45					
260	Yamato-790752	136.51	LL6	27.6(25.3-28.8)	23.5(23.0-23.8)		shocked, Pl(An12.1), maskl. En49.1Fs14.9Wo36.0
261	Yamato-790753	6.68					
262	Yamato-790754	8.59					
263	Yamato-790755	7.37					
264	Yamato-790756	699.1	H4	18.6(17.5-21.1)	16.4(15.4-17.6)		
265	Yamato-790757	507.6					
266	Yamato-790758	40.86					
267	Yamato-790759	2.64					
268	Yamato-790760	301.2	H4	17.6(16.1-18.9)	15.7(14.2-17.3)		En48.1Fs4.9Wo47.0
269	Yamato-790761	95.69	H4	17.7(16.9-18.4)	15.5(14.2-17.4)		Pl(An15.1)
270	Yamato-790762	1.82					
271	Yamato-790763	10.72					
272	Yamato-790764	8.82					
273	Yamato-790765	31.07					to Y-790766
274	Yamato-790767	135.45	L6	24.9(23.4-25.6)	20.6(19.8-21.3)		En46.2Fs7.2Wo46.4
275	Yamato-790768	3.76					
276	Yamato-790769	12.07					
277	Yamato-790770	21.20					
278	Yamato-790771	36.26					to Y-790773
279	Yamato-790774	68.35					to Y-790775
280	Yamato-790776	6.22					

Table 4. Contiuned

	Meteorite Name	Ori.Wght	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
281	Yamato-790777	9.26					to Y-790778
282	Yamato-790779	38.40					to Y-790780
283	Yamato-790781	122.39					
284	Yamato-790782	2990.18	L6	29.2(27.3-30.6)	24.1(23.5-25.0)		to Y-790943, shocked
285	Yamato-790944	12.08					
286	Yamato-790945	78.53					
287	Yamato-790946	3010.10	L6				to Y-790950
288	Yamato-790952	17.55					to Y-790954
289	Yamato-790956	8.42					
290	Yamato-790957	6175	L5	24.1(22.9-25.2)	20.0(19.1-20.9)		
291	Yamato-790958	68.31					
292	Yamato-790959	578.01	L6	24.7(23.1-25.6)	20.7(19.5-22.1)		Pl(An10.1), ringwoodite
293	Yamato-790960	20.82					
294	Yamato-790961	19.34					
295	Yamato-790962	0.92					
296	Yamato-790963	40.32					
297	Yamato-790964	3335	LL	31.1(28.5-33.1)			
298	Yamato-790965	78.75	L4	24.2(20.1-26.6)	20.9(19.1-24.0)		
299	Yamato-790966	2.04					
300	Yamato-790967	3.17					
301	Yamato-790968	23.79					
302	Yamato-790969	9.64					
303	Yamato-790970	5.68					
304	Yamato-790971	8.72					
305	Yamato-790972	43.06					to Y-790974
306	Yamato-790975	40.23					to Y-790979
307	Yamato-790980	95.58	H4	18.5(16.9-22.8)	15.8(14.8-18.8)		
308	Yamato-790981	213.01	Ure				
309	Yamato-790982	88.56	LL				
310	Yamato-790983	22.96					
311	Yamato-790984	8.17					
312	Yamato-790985	189.64	H4	17.7(16.8-18.8)	15.6(14.8-16.4)		
313	Yamato-790986	135.79	H3				
314	Yamato-790987	199.21	H4				
315	Yamato-790988	1.32					
316	Yamato-790989	15.67					
317	Yamato-790990	59.85					
318	Yamato-790991	30.80	How				
319	Yamato-790992	162.99	C3	(0.1-68.3)	(0.5-14.7)		
320	Yamato-790993	135.33	L6	24.9(24.0-26.8)	20.5(20.1-21.0)		to Y-790995, Pl(An10.2), merri. K-f(maskl.)
321	Yamato-790996	78.68	H4	18.8(17.8-20.8)	15.9(14.1-16.7)		merri. spinel
322	Yamato-790997	177.93	H6-5	18.3(17.5-19.4)	16.1(15.7-16.9)		Pl(An11.2Ab84.2Or4.6)
323	Yamato-790998	18.15					
324	Yamato-790999	154.34	L	24.7(23.0-25.4)	20.2(19.3-20.9)		
325	Yamato-791000	90.40	Dio				

Table 4. Contiuned

	Meteorite Name	Ori.Wght	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
1	Yamato-791001	289.83	L5	23.8(22.7-24.7)	19.9(19.1-20.7)		
2	Yamato-791002	91.93	L6	24.8(23.8-26.1)	20.3(19.4-20.7)		Pl(An10.2-11.2), En44.2-47.6Fs6.0-10.4Wo44.1-46.6
3	Yamato-791003	24.45					
4	Yamato-791004	225.09	H6	17.6(16.5-18.4)	15.5(15.0-15.9)		Pl(An12.4 Ab81.1 Or6.5)
5	Yamato-791005	11.15					
6	Yamato-791006	25.21					
7	Yamato-791007	147.15	H4	17.8(16.6-18.6)	15.4(15.0-15.7)		
8	Yamato-791008	117.17	L6	24.6(23.7-27.4)	20.5(19.6-20.0)		
9	Yamato-791009	42.08					
10	Yamato-791010	73.18	H5	18.8(17.9-19.7)	16.4(15.5-17.4)		Pl(An12.0)
11	Yamato-791011	4.02					to Y-791013
12	Yamato-791014	11.14					to Y-791015
13	Yamato-791016	4.34					
14	Yamato-791017	10.70					
15	Yamato-791018	7.20					
16	Yamato-791019	18.29					
17	Yamato-791020	293.74	H4	18.4(17.0-19.8)	15.9(15.1-16.8)		to Y-791021
18	Yamato-791022	228.89	L	24.6(23.6-26.7)	20.8(20.3-21.5)		to Y-791023, An
19	Yamato-791024	353.70	H4	17.4(16.4-19.8)	15.7(13.6-20.2)		Cpx.
20	Yamato-791025	106.80	H	19.2(18.0-20.2)	17.1(16.4-17.5)		Pl(An21.2), maskelynite
21	Yamato-791026	354.72	H4	16.6(15.7-17.9)	14.8(13.8-15.9)		Cpx.
22	Yamato-791027	646	H5	19.0(18.2-20.0)	16.6(15.6-17.4)		En48.9Fs6.6Wo44.4(Aug)
23	Yamato-791028	1161.80	H4	17.1(15.9-19.2)	14.9(14.6-15.9)		to Y-791029, Low-Ca px, spinel
24	Yamato-791030	67.23	H5	18.8(17.5-19.6)	16.3(15.5-17.4)		to Y-791033, merrillite
25	Yamato-791034	173.18	L6	24.0(22.4-25.0)	20.2(19.7-20.9)		
26	Yamato-791035	6.56					
27	Yamato-791036	122.82	H4	18.9(17.6-21.3)	16.1(15.0-16.9)		En48.5Fs6.1Wo45.3(Diop)
28	Yamato-791037	11.82					
29	Yamato-791038	26.33					
30	Yamato-791039	8.17					
31	Yamato-791040	14.88					
32	Yamato-791041	62.77					
33	Yamato-791042	122.63	H4-5	18.1(17.5-19.2)	16.1(15.1-17.3)		to Y-791044
34	Yamato-791045	30.90					to Y-791046
35	Yamato-791047	163.44	H4-3	17.2(14.9-18.7)	14.0(5.2-19.5)		
36	Yamato-791048	205.53	H6	19.0(18.7-20.3)	17.1(16.0-18.1)		Pl(An12.2), En48.9Fs5.4Wo45.7(Diop)
37	Yamato-791049	8.73					
38	Yamato-791050	11.52					to Y-791051
39	Yamato-791052	4.55					
40	Yamato-791053	26.96					
41	Yamato-791054	13.58					
42	Yamato-791055	19.07					
43	Yamato-791056	38.28					
44	Yamato-791057	66.68					
45	Yamato-791058	59.98					to Y-791063
46	Yamato-791064	12.92					
47	Yamato-791065	18.85					to Y-791066
48	Yamato-791067	252.66	LL	31.0(30.2-31.8)	24.8(23.6-25.4)		to Y-791068, En45.7Fs10.1Wo44.2
49	Yamato-791069	114.46	H5	18.5(17.3-19.0)	16.4(15.9-17.0)		En48.7Fs6.4Wo44.8
50	Yamato-791070	5.63					
51	Yamato-791071	10.23					
52	Yamato-791072	11.40					
53	Yamato-791073	33.10					
54	Yamato-791074	27.19					
55	Yamato-791075	9.89					
56	Yamato-791076	331.80	Iron				
57	Yamato-791077	333.36	L6	24.9(24.3-25.7)	20.9(20.0-21.5)		to Y-791081
58	Yamato-791082	2.10					
59	Yamato-791083	5.30					
60	Yamato-791084	11.63					
61	Yamato-791085	22.09					
62	Yamato-791086	2.16					
63	Yamato-791087	579.84	H3	17.3(16.3-19.3)	14.1(8.1-23.2)		
64	Yamato-791088	2138					
65	Yamato-791089	4.77					
66	Yamato-791090	81.39	H5-6	17.7(16.5-18.8)	15.8(14.2-17.0)		Pl(An13.0Or5.5)
67	Yamato-791091	177.91	L6	24.0(23.1-25.6)	20.3(19.0-22.6)		
68	Yamato-791092	10.90					to Y-791095
69	Yamato-791096	75.59	H5	18.1(17.0-19.7)	15.9(15.6-16.3)		
70	Yamato-791097	25.43					

Table 4. Contiuned

	Meteorite Name	Ori.Wght	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
71	Yamato-791098	20.25					
72	Yamato-791099	43.90					to Y-791104
73	Yamato-791105	15.16					
74	Yamato-791106	409.89	H6	18.5(17.5-19.3)	16.1(14.9-17.0)		
75	Yamato-791107	283.55	L6	24.1(22.0-25.7)	20.5(19.0-22.6)		
76	Yamato-791108	471.43					to Y-791142
77	Yamato-791143	190.39	H	18.4(16.9-20.9)			
78	Yamato-791144	144.92	H4	18.0(16.7-18.6)	15.9(14.4-19.0)		
79	Yamato-791145	136.82	L6	24.3(23.2-25.8)	20.2(19.2-21.9)		
80	Yamato-791146	94.24	H5	19.1(18.1-24.7)	16.7(15.8-18.2)		
81	Yamato-791147	44.35					
82	Yamato-791148	58.36					
83	Yamato-791149	58.84					
84	Yamato-791150	75.92	L5-6	24.6(23.2-31.0)	20.2(19.7-21.5)		Pl(An9.9, Or0.8) En47.9 Fs7.5 Wo44.6
85	Yamato-791151	43.95					to Y-791156
86	Yamato-791157	88.36					to Y-791161
87	Yamato-791162	8.07					
88	Yamato-791163	3.99					
89	Yamato-791164	12.85					
90	Yamato-791165	11.28					
91	Yamato-791166	4.81					
92	Yamato-791167	73.47					to Y-791178
93	Yamato-791179	31.62					to Y-791185
94	Yamato-791186	99.58	Euc(pol)				
95	Yamato-791187	24.00	Dio(B)				
419	Yamato-791188	9.17	Dio(B)		(29.6-34.5)		pl(An83.6),En43.2-67.9Fs11.3-34.5Wo1.4-45.5
420	Yamato-791189	6.23	Dio(B)		(29.6-34.5)		pl(An83.6),En43.2-67.9Fs11.3-34.5Wo1.4-45.5
96	Yamato-791190	10.88					
406	Yamato-791191	0.00					
200	Yamato-791192	0.00	Euc				
405	Yamato-791193	0.00					
407	Yamato-791194	0.00					
408	Yamato-791195	0.00	Euc				
409	Yamato-791196	0.00					
410	Yamato-791197	52.40	Ano(Br)				Pl(An92.0-98.2, 95.5-97.5)
97	Yamato-791198	179.77	C2	8.5(0.2-40.5)	2.6(0.4-7.9)		
98	Yamato-791199	121.88	Dio(B)				
99	Yamato-791200	51.58	Dio(B)				
100	Yamato-791201	9.61					
101	Yamato-791202	9.42	Dio(B)		(29.6-34.7)		Pl(Al86.3-90.2)En42.6-67.5Fs12.2-34.7Wo1.1-44.6
102	Yamato-791203	6.26					
103	Yamato-791204	2.19	Dio(B)		(30.1-33.6		Pl(An89.7),En42.8-68.1Fs10.9-33.6Wo1.0-46.3
104	Yamato-791205	24.46					
105	Yamato-791206	20.05	How	(11.8-28.6)	(15.1-51.3)		Pl(An85.3-93.6),En31.8-84.1Fs15.1-57.7Wo0.8-19.8
106	Yamato-791207	4.14	How	(12.3-18.4)	(11.0-47.7)		Pl(An86.8-94.3),En20.5-88.2Fs11.0-47.7Wo0.6-43.2
107	Yamato-791208	47.91	How				
108	Yamato-791209	3288	H	17.6(16.5-18.9)	15.5(14.6-16.3)		
109	Yamato-791210	2048.33	H4	18.2(16.8-19.7)	15.9(14.6-17.2)		to Y-791311
414	Yamato-791217	157.31	H4	18.5(17.3-28.7)	16.8(15.3-20.1)		
110	Yamato-791312	1841	H4	18.4(17.6-20.1)	16.1(15.5-17.9)		
111	Yamato-791313	640	H5	18.2(17.3-19.3)	16.3(15.3-17.8)		En48.7-59.6Fs5.9-9.9Wo30.5-46.3
112	Yamato-791314	626	H4	18.8(17.9-20.4)	16.2(14.3-17.4)		
113	Yamato-791315	352.57	H4	17.8(9.2-27.5)	15.1(0.7-18.1)		H3 clast
114	Yamato-791316	283.11	L6	24.5(23.8-25.4)	20.5(19.2-22.0)		An10.3-10.5 Or5.7-6.0
115	Yamato-791317	164.42	L6	24.8(23.5-25.7)	20.7(19.8-29.1)		maskl(An13.3,An8.6 Or20.6), En57.5Fs13.4Wo39.1
116	Yamato-791318	265.96					
117	Yamato-791319	137.40					
118	Yamato-791320	128.09					
119	Yamato-791321	65.21					
120	Yamato-791322	141.06	H6	24.2(23.2-24.9)	20.4(19.3-21.8)		merrillite, apatite
121	Yamato-791323	134.20	H5	18.6(17.8-19.6)	16.2(15.1-17.0)		
122	Yamato-791324	70.60					to Y-791339
123	Yamato-791340	113.23	H3	16.8(2.5-20.6)	14.3(4.5-16.0)		to Y-791346
124	Yamato-791347	101.45					to Y-791363
125	Yamato-791364	207.97	H5	17.9(17.1-19.0)	16.1(15.2-18.8)		to Y-791380, merrillite, apatite
126	Yamato-791381	119.92					to Y-791405
127	Yamato-791406	2106.10	H4	18.3(16.9-19.1)	15.7(14.3-16.5)		to Y-791407
128	Yamato-791408	100.09					to Y-791409
129	Yamato-791410	16.69					
130	Yamato-791411	4.96					
131	Yamato-791412	24.98					
132	Yamato-791413	283.12	L6	24.4(22.9-26.0)	20.5(19.6-21.9)		to Y-791416, Pl(An11.8),ap.,maskl.,En47.5Fs7.5Wo45.0

Table 4. Contiuned

	Meteorite Name	Ori.Wght	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
133	Yamato-791417	39.68					
134	Yamato-791418	16.16					
135	Yamato-791419	56.52					to Y-791420
136	Yamato-791421	811	L5-6	24.4(23.3-25.2)	20.7(18.9-22.7)		Pl(An85.4 Ab10.6 Or4.0), En47.5Fs8.9Wo43.6
137	Yamato-791422	61.80	Dio(B)		(30.6-35.3)		Pl(An69.7-91.7), En42.4-67.7Fs11.2-35.3Wo1.0-46.4
138	Yamato-791423	3.66					
139	Yamato-791424	10.90					
140	Yamato-791425	6.08					to Y-791426
141	Yamato-791427	507.05	H5	18.5(17.5-25.4)	15.4(14.7-15.9)		
142	Yamato-791428	548.94	H3	17.4(15.6-18.3)	14.4(5.3-26.3)		
143	Yamato-791429	223.53	L3	22.1(15.9-24.1)	15.7(8.1-24.4)		
144	Yamato-791430	45.93					
145	Yamato-791431	505.8	L6	23.8(22.8-25.4)	20.1(19.4-21.5)		to Y-791433, En47.7Fs8.0Wo44.2, maskelynite
146	Yamato-791434	265.20	H4	18.3(16.9-20.9)	16.0(15.0-18.0)		
147	Yamato-791435	15.09					
148	Yamato-791436	6.68					
149	Yamato-791437	28.20					
413	Yamato-791438	20.18	Euc				
150	Yamato-791439	31.05	Dio(B)		(30.8-60.7)		Pl(An87.6-91.7),En27.8-66.8Fs14.6-60.7W1.6-45.5
151	Yamato-791440	89.65	L6	24.1(22.7-25.7)	20.1(18.5-21.1)		En47.2-47.6Fs7.6-8.0Wo44.4-45.2
152	Yamato-791441	105.66	L6	24.1(23.0-25.1)	20.2(19.0-21.0)		
153	Yamato-791442	189.53	L	24.3(23.0-25.4)	20.2(19.6-21.3)		Pl(An9.1-9.6), En46.4Fs8.5Wo45.1, ap.
154	Yamato-791443	11.32					
155	Yamato-791444	550.84	H4	18.8(17.6-19.4)	16.3(15.3-18.1)		merrillite
156	Yamato-791445	4.75					
157	Yamato-791446	17.60					
158	Yamato-791447	1.99					
159	Yamato-791448	35.60	How		(13.8-60.9)		En1.7-85.1, Wo1.1-37.4
160	Yamato-791449	108.33	L6	25.0(23.3-26.1)	21.0(20.4-21.8)		En47.7Fs7.6Wo44.7, maskelynite
161	Yamato-791450	192.86	L6	25.0(24.1-26.1)	20.9(19.5-21.9)		En47.0Fs7.9Wo45.1, ap., merri., maskl.
162	Yamato-791451	8.07					
163	Yamato-791452	204.59	L5	24.5(23.2-27.7)	20.3(19.9-21.6)		
164	Yamato-791453	158.89	H3-4	16.2(15.5-18.1)	14.6(13.4-20.5)		En77.3Fs12.8Wo10.0,En51.6Fs4.9Wo43.6Sio2
165	Yamato-791454	8.40					
166	Yamato-791455	54.83					
167	Yamato-791456	37.05					
168	Yamato-791457	41.39					
169	Yamato-791458	8.04					
170	Yamato-791459	23.65					
171	Yamato-791460	22.03					to Y-791461
172	Yamato-791462	94.23	H5	18.0(16.8-20.7)	16.0(15.2-17.1)		
173	Yamato-791463	10.28					
174	Yamato-791464	21.25					to Y-791465
175	Yamato-791466	21.46	Dio(B)		(30.1-35.2)		Pl(An81.6-89.9),En42.7-66.5Fs12.4-35.2Wo1.2-44.9
421	Yamato-791467						
176	Yamato-791468	16.38					to Y-791469
177	Yamato-791470	6.96					
178	Yamato-791471	141.83	L5	24.9(23.1-29.2)	20.7(19.6-23.2)		
179	Yamato-791472	7.00					
180	Yamato-791473	6.81					
181	Yamato-791474	81.43					to Y-791475
182	Yamato-791476	23.47					
183	Yamato-791477	372.08	H5	19.3(18.0-22.2)	16.3(15.3-18.0)		to Y-791481
415	Yamato-791478	146.95	H5	19.2(18.0-24.9)	16.4(15.3-18.8)		
184	Yamato-791482	352.62	H5	18.4(17.3-21.4)	17.7(15.0-24.0)		
416	Yamato-791482	352.6	H5	18.4(17.3-21.4)	17.7(15.0-24.0)		
185	Yamato-791483	92.77	L6-5	24.7(24.0-25.7)	20.6(19.9-21.6)		to Y-791484, Pl(An11.0), En47.1Fs8.1Wo44.8, merri., ap.
186	Yamato-791485	3.53					
187	Yamato-791486	565.51	L	24.0(22.5-26.3)	19.9(18.5-20.5)		En47.0Fs7.3Wo45.7, merri., ap.
188	Yamato-791487	22.03					to Y-791488
189	Yamato-791489	5.51	How		(15.6-54.4)		Pl(An87.2-93.3)
417	Yamato-791489	5.515	How				Pl(An89.2-93.3)
190	Yamato-791490	10.09					
191	Yamato-791491	0.00					
192	Yamato-791492	41.12	How		(13.8-60.9)		
193	Yamato-791493	5.13	Lod	11.6(10.2-13.5)	12.2(11.4-12.9)		Pl(An16.3-18.6), En50.2Fs5.0Wo45.0, metal(5.7-45.3%Ni)
194	Yamato-791494	20.88					
195	Yamato-791495	50.66					to Y-791496
196	Yamato-791497	7.04	Euc	(33.4-51.6)	(16.3-56.9)		Pl(An89.0-95.4)
418	Yamato-791497	7.048	Euc	(33.4-51.6)	(33.4-51.6)		Pl(An89.0-95.4)
197	Yamato-791498	3.11					

Table 4. Contiuned

	Meteorite Name	Ori.Wght	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
198	Yamato-791499	9.94					
199	Yamato-791500	1252	H3	16.8(15.9-17.9)	14.7(10.7-17.3)		
201	Yamato-791501	283.10	H4	17.6(16.7-18.4)	15.4(14.3-16.6)		
202	Yamato-791502	131.02					
203	Yamato-791503	212.48	H5	17.9(16.8-18.6)	15.4(14.7-16.0)		to Y-791515
204	Yamato-791516	89.18	L6	24.4(23.5-25.1)	20.2(19.3-21.1)		Pl(An9.9-10.7), En46.4-47.8Fs6.4-8.5Wo44.8-46.4
205	Yamato-791517	23.54					to Y-791518
206	Yamato-791519	26.89					
207	Yamato-791520	10.36					to Y-791525
208	Yamato-791526	12.92					to Y-791530
209	Yamato-791531	112.07		24.0(23.2-25.2)	20.1(19.6-20.7)		to Y-791532, maskelynite
411	Yamato-791533	0.00					
412	Yamato-791534	0.00					
210	Yamato-791535	15.52					
211	Yamato-791536	839	LL6	31.5(30.3-32.8)	25.5(25.2-25.8)		Pl(An10.5, 11.4, 10.8, 10.4), ap., merri.
212	Yamato-791537	66.18					
213	Yamato-791538	419.03	Ure				
214	Yamato-791539	1927.75					to Y-791544
215	Yamato-791545	195.17	L	24.0(23.2-24.6)	20.0(19.2-20.8)		En50.5Fs12.8Wo36.6, merri.
216	Yamato-791546	91.31	H4	18.2(16.2-21.7)	16.2(15.5-17.3)		Pl(An10.7), merri.
217	Yamato-791556	129.25					
218	Yamato-791557	90.65					
219	Yamato-791558	101.64					
220	Yamato-791559	26.21					
221	Yamato-791560	115.94	H4	18.5(17.4-19.4)	16.2(15.3-17.4)		to Y-791561, with H5 clast (Fa18.7Fs16.5)
222	Yamato-791562	205.32	H4	18.9(17.9-20.1)	16.1(12.0-17.3)		merri., glass
223	Yamato-791563	580.31	H4-5	17.7(16.9-18.8)	15.3(14.7-15.8)		to Y-791565, merri.
224	Yamato-791566	497.17	L6	24.3(23.2-24.9)	20.1(19.2-20.8)		
225	Yamato-791567	67.98					
226	Yamato-791568	51.23	L6	24.5(23.9-25.4)	20.5(19.1-21.9)		to Y-791570, Pl(An9.7), En47.0Fs7.7Wo45.1 merri., maskl.
227	Yamato-791571	23.68					
228	Yamato-791572	6.31					
229	Yamato-791573	134.33	How				
230	Yamato-791574	207.32	L6-5	24.2(23.5-25.5)	20.4(19.9-21.9)		to Y-791576
231	Yamato-791577	917.59	L6	24.9(23.9-25.9)	20.2(20.2-21.0)		to Y-791584, Pl(An10.9)
232	Yamato-791585	79.19	L6	24.6(24.0-25.3)	20.6(19.9-21.2)		merri., maskl.
233	Yamato-791586	219.68	L6	25.6(24.8-26.7)	21.6(21.4-22.0)		Pl(An12.1, 9.8), cpx, merri., ap.
234	Yamato-791587	99.82	L4	23.9(23.0-24.6)	20.0(19.3-20.6)		maskl.
235	Yamato-791588	71.12					
236	Yamato-791589	3.91					
237	Yamato-791590	20.57					
238	Yamato-791591	60.06	L6	24.7(23.8-25.5)	20.7(19.4-21.1)		to Y-791594
239	Yamato-791595	5.84					
240	Yamato-791596	1.92					
241	Yamato-791597	164.70	H6-5	18.8(17.9-19.9)	16.3(15.4-16.9)		to Y-791599
242	Yamato-791600	0.74					
243	Yamato-791601	2.06					
244	Yamato-791602	3.35					
245	Yamato-791603	5.09	Dio(B)		(29.3-32.8)		Pl(An88.9-92.0)En42.8-66.9Fs10.9-33.0Wo1.7-46.5
246	Yamato-791604	838.05	H5-4	18.8(17.6-19.9)	16.4(15.5-17.1)		to Y-791626
247	Yamato-791627	1.82					
248	Yamato-791628	4.95					
249	Yamato-791629	128.02	H4	18.6(17.6-19.5)	16.0(15.3-16.4)		
250	Yamato-791630	2243	L4	24.1(23.3-25.1)	20.3(19.5-21.3)		
251	Yamato-791631	12.30					
252	Yamato-791632	534.79	L5	24.1(23.4-25.1)	20.2(17.6-21.9)		
253	Yamato-791633	968.10	L4	24.1(23.4-25.2)	19.6(12.7-21.3)		to Y-791634, merri.
254	Yamato-791635	653					
255	Yamato-791636	112.52	L4	24.2(23.7-25.5)	20.8(20.3-21.5)		
256	Yamato-791637	207.87					to Y-791643
257	Yamato-791644	216.32					to Y-791650
258	Yamato-791651	3.05					
259	Yamato-791652	349.10					
260	Yamato-791653	11.24					to Y-791654
261	Yamato-791655	48.78					
262	Yamato-791656	11.49					to Y-791657
263	Yamato-791658	28.29					to Y-791660
264	Yamato-791661	114.10					
265	Yamato-791662	89.57					
266	Yamato-791663	126.50					to Y-791667
267	Yamato-791668	732					

Table 4. Contiuned

	Meteorite Name	Ori.Wght	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
268	Yamato-791669	985.94					to Y-791676
269	Yamato-791677	473.05					
270	Yamato-791678	277.56					to Y-791679
271	Yamato-791680	284.98					
272	Yamato-791681	71.07					
273	Yamato-791682	123.73					
274	Yamato-791683	96.60					
275	Yamato-791684	97.95					to Y-791692
276	Yamato-791693	3.03					
277	Yamato-791694	70.89	Ataxite				36%Ni
278	Yamato-791695	352.10					
279	Yamato-791696	0.81					
280	Yamato-791697	1.44					
281	Yamato-791698	7.32					to Y-791702
282	Yamato-791703	25.48					
404	Yamato-791704	93.10					
283	Yamato-791705	172.47					
284	Yamato-791706	341.10					
285	Yamato-791707	55.81					
286	Yamato-791708	126.98					
287	Yamato-791709	174.32					
288	Yamato-791710	1656.53					to Y-791714
289	Yamato-791715	13.39					
290	Yamato-791716	193.21					
291	Yamato-791717	25870.78	C3				
292	Yamato-791726	4.98					
293	Yamato-791727	18.17					
294	Yamato-791728	306.86					to Y-791742
295	Yamato-791743	16.63					
296	Yamato-791744	20.73					
297	Yamato-791745	17.62					
298	Yamato-791746	22.76					to Y-791748
299	Yamato-791749	2.01					
300	Yamato-791750	187.97					to Y-791770
301	Yamato-791771	156.43					
302	Yamato-791772	11.32					to Y-791773
303	Yamato-791774	37.50					
304	Yamato-791775	110.58					
305	Yamato-791776	2543					
306	Yamato-791777	60.61					to Y-791780
307	Yamato-791781	427.26	L6	24.5(23.8-25.9)	20.5(18.8-21.7)		to Y-791782, merri., maskl.
308	Yamato-791783	323.21					
309	Yamato-791784	44.07					
310	Yamato-791785	8826	H	18.3(17.3-20.1)	16.3(14.8-18.9)		
311	Yamato-791786	64.47					
312	Yamato-791787	37.38					
403	Yamato-791788	21.68					
313	Yamato-791789	2.55					
314	Yamato-791790	31.64					
315	Yamato-791791	45.46					
316	Yamato-791792	2.78					
317	Yamato-791793	88.23					to Y-791799
318	Yamato-791800	12.17					
319	Yamato-791801	27.84					
320	Yamato-791802	79.28					to Y-791804
321	Yamato-791805	33.59					to Y-791809
322	Yamato-791810	73.99					to Y-791812
323	Yamato-791813	1.63					
324	Yamato-791814	5.44					
325	Yamato-791815	13.99					to Y-791819
326	Yamato-791820	1254.42					to Y-791823
327	Yamato-791824	23.28	C2				
328	Yamato-791825	29.15					
329	Yamato-791826	115.35	Euc		(24.1-38.5)		Pl(An79.2-92.8), En28.4-71.5Fs24.1-57.0Wo4.1-25.5
330	Yamato-791827	9.02					
331	Yamato-791828	841	L	21.7(6.2-25.4)	16.0(5.0-20.7)		
332	Yamato-791829	9.27					
333	Yamato-791830	16.18					
334	Yamato-791831	14.73					
335	Yamato-791832	105.87					
336	Yamato-791833	116.35					
337	Yamato-791834	11.39	Euc(pol)		(17.4-71.2)		Pl(An79.3-95.0), En27.0-81.4Fs17.4-71.2Wo1.2-45.1

Table 4. Contiuned

	Meteorite Name	Ori.Wght	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
338	Yamato-791835	23.80	Chond(low)				
339	Yamato-791836	4.29	Iron				
340	Yamato-791837	12.52					
341	Yamato-791838	16.00					
342	Yamato-791839	5.80					
343	Yamato-791840	309.55					
344	Yamato-791841	7.19					
345	Yamato-791842	10.90					
346	Yamato-791843	7.55					
347	Yamato-791844	161.34					
348	Yamato-791845	1559					
349	Yamato-791846	41.79	L6	24.2(23.4-25.0)	20.3(19.8-21.0)		to Y-791847, Pl(An70)
350	Yamato-791848	2.95					
351	Yamato-791849	69.60					to Y-791851
352	Yamato-791852	6.86					to Y-791854
353	Yamato-791855	8.36					
354	Yamato-791856	26.11					
355	Yamato-791857	116.34					
356	Yamato-791858	2.14					
357	Yamato-791859	82.36	H5	19.3(18.5-20.1)	16.9(15.4-18.1)		to Y-791860
358	Yamato-791861	375.71	H6-5	19.2(18.1-22.8)	16.6(15.5-17.2)		to Y-791864
359	Yamato-791865	828.56	L6	24.1(23.0-25.1)	20.4(19.5-21.8)		to Y-791867, merri., maskl.
360	Yamato-791868	68.34					
361	Yamato-791869	7565.09	H5	17.7(16.6-20.4)	16.8(14.1-21.1)		to Y-791904
362	Yamato-791905	1847					
363	Yamato-791906	32.26					
364	Yamato-791907	23.52					
365	Yamato-791908	7.75					
366	Yamato-791909	91.96					
367	Yamato-791910	18.61					
368	Yamato-791911	6.40					
369	Yamato-791912	20.27					
370	Yamato-791913	57.85					
371	Yamato-791914	22.45					
372	Yamato-791915	3.47					
373	Yamato-791916	47.98					
374	Yamato-791917	380.31	H4	18.3(17.5-18.9)	16.1(15.4-16.8)		to Y-791919, En61.8Fs9.1Wo29.1
375	Yamato-791920	87.17					
376	Yamato-791921	7.63					
377	Yamato-791922	23.65					
378	Yamato-791923	26.92					
379	Yamato-791924	16.38					
380	Yamato-791925	1311					
381	Yamato-791926	2602					
382	Yamato-791927	444.17					
383	Yamato-791928	17.90					
384	Yamato-791929	33.36					to Y-791930
385	Yamato-791931	260.06					
386	Yamato-791932	8.42					
387	Yamato-791933	244.73	H6	18.5(17.7-19.1)	16.2(15.8-16.8)		to Y-791939
388	Yamato-791940	10.03					
389	Yamato-791941	18.79					
390	Yamato-791942	11.08					to Y-791947
391	Yamato-791948	207.58					to Y-791955
392	Yamato-791956	1015					
393	Yamato-791957	34.24					
394	Yamato-791958	826					
395	Yamato-791959	31.46					
396	Yamato-791960	242.08	Euc	(81.7-83.1)	(20.8-61.0)		Pl(An79.4-95.2), En30.2-78.2Fs20.8-61.0Wo1.0-42.2
397	Yamato-791961	1387					
398	Yamato-791962	299.65	Euc				
399	Yamato-791963	194.68					
400	Yamato-791964	12.35					
401	Yamato-791965	54.31					to Y-791967
402	Yamato-791968	6940.91					to Y-792000

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
1	Yamato-792001	201.6					to Y-792505
2	Yamato-792506	531.59					
3	Yamato-792507	49.60					to Y-792509
4	Yamato-792510	608.73	Euc				
5	Yamato-792511	49.22					
6	Yamato-792512	133.13					to Y792514
7	Yamato-792515	3.28					
8	Yamato-792516	148.64					
87	Yamato-792517	142.82					to Y-792518
9	Yamato-792519	571.43					
10	Yamato-792520	127.90					
11	Yamato-792521	2587.22					to Y-792660
12	Yamato-792661	137.96					
13	Yamato-792662	202.71					
14	Yamato-792663	9.45					
15	Yamato-792664	6.23					
16	Yamato-792665	20.37					to Y-792566
17	Yamato-792667	16.30					
18	Yamato-792668	216.72					
19	Yamato-792669	355.84					
20	Yamato-792670	124.92					to Y-792671
21	Yamato-792672	6.90					
22	Yamato-792673	28.50					
23	Yamato-792674	33.29					to Y-792678
24	Yamato-792679	122.87					
25	Yamato-792680	134.16					
26	Yamato-792681	11.21					
27	Yamato-792682	9.52					
28	Yamato-792683	0.96					
29	Yamato-792684	25.58					
30	Yamato-792685	122.38					to Y-792687
31	Yamato-792688	48.01					
32	Yamato-792689	24.59					to Y-792691
33	Yamato-792692	90.26					to Y-792697
34	Yamato-792698	80.14					to Y-792714
35	Yamato-792715	132.82					to Y-792727
36	Yamato-792728	15.57					to Y-792729
37	Yamato-792730	32.07					to Y-792735
38	Yamato-792736	3904					
39	Yamato-792737	557.65					to Y-792738
40	Yamato-792739	256.21					
41	Yamato-792740	416.39					to Y-792741
42	Yamato-792742	116.19					
43	Yamato-792743	95.10					to Y-792748
44	Yamato-792749	0.33					
45	Yamato-792750	21.92					
46	Yamato-792751	64.18					
89	Yamato-792752	0.97					
47	Yamato-792753	68.81					to Y-792755
48	Yamato-792756	36.73					
49	Yamato-792757	6.28					
50	Yamato-792758	7.61					to Y-792760
51	Yamato-792761	1719					
52	Yamato-792762	117.94					
53	Yamato-792763	168.69					
54	Yamato-792764	2649	H				
55	Yamato-792765	67.69					to Y-792767
88	Yamato-792768	0.00					
56	Yamato-792769	4232	Euc(pol)		(28.7-62.3)		Pl(An75.6-93.7), En25.9-69.0Fs19.3-67.3Wo2.2-42.7
57	Yamato-792770	4179					
58	Yamato-792771	2697					
59	Yamato-792772	1910.90	L				to Y-792790
60	Yamato-792791	246.79					to Y-792794
61	Yamato-792795	71.43					
62	Yamato-792796	436.58					to Y-792802
63	Yamato-792803	50.73					
64	Yamato-792804	94.27					
65	Yamato-792805	110.21					to Y-792817
66	Yamato-792818	190.25					to Y-792859
67	Yamato-792860	21.47					to Y-792861

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
68	Yamato-792862	547.57					to Y-792890
90	Yamato-792891	110.91					to Y-792897
91	Yamato-792898	183.25					to Y-792915
71	Yamato-792916	21.92					to Y-792918
72	Yamato-792919	149.98					to Y-792923
73	Yamato-792924	11.01					to Y-792925
74	Yamato-792926	92.97					to Y-792929
75	Yamato-792930	2.53					
76	Yamato-792931	74.30					
79	Yamato-792936	37.51					to Y-792937
80	Yamato-792938	43.26					
81	Yamato-792939	94.32					to Y-792943
82	Yamato-792944	67.26					to Y-792946
83	Yamato-792947	233.40					
84	Yamato-792948	82.10					to Y-792957
85	Yamato-792958	107.28					
86	Yamato-792959	154.33					to Y-793000

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene *	Comments
1	Yamato-793001	158.98				to Y-793163
2	Yamato-793164	123.88	Euc	17.2	37.5-67.9	Pl(An80.4-92.3)
3	Yamato-793165	4.67				
4	Yamato-793166	5.68				
5	Yamato-793169	6.07				
6	Yamato-793170	38.09				to Y-793172
7	Yamato-793173	12.59	How		20.5-65.1	Pl(An72.7-96.8)
8	Yamato-793174	30.01				
9	Yamato-793175	317.31				to Y-793184
10	Yamato-793185	5.26				
11	Yamato-793186	81.43				
12	Yamato-793187	25.18				
13	Yamato-793188	134.98				
14	Yamato-793189	3.13				
15	Yamato-793190	46.33				
16	Yamato-793191	393.94				
17	Yamato-793192	23.65	How		19.7-61.9	Pl(An73.5-93.4)
18	Yamato-793193	159.32				
19	Yamato-793194	44.71				to Y-793200
20	Yamato-793201	1087				
21	Yamato-793202	97.01				
22	Yamato-793203	274.27				
23	Yamato-793204	56.58				
24	Yamato-793205	48.75				to Y-793208
25	Yamato-793209	14.03				
26	Yamato-793210	138.03				to Y-793213
27	Yamato-793214	3111				
28	Yamato-793215	33.42				to Y-793218
29	Yamato-793219	326.13				
30	Yamato-793220	354.27				
31	Yamato-793221	14.71				
32	Yamato-793222	545.97				
33	Yamato-793223	4.81				
34	Yamato-793224	179.35				
35	Yamato-793225	100.12				to Y-793227
36	Yamato-793228	12.14				
37	Yamato-793229	31.36				
38	Yamato-793230	94.56				to Y-793231
39	Yamato-793232	61.91				
40	Yamato-793233	21.31				
41	Yamato-793234	16.14				
42	Yamato-793235	18201.80	L			to Y-793238
43	Yamato-793239	302.20				to Y-793240
44	Yamato-793241	938	L6	24.6(23.5-25.5)	20.4(19.4-21.3)	
45	Yamato-793242	222.76				
46	Yamato-793243	182.70				
47	Yamato-793244	28.63				to Y-793248
48	Yamato-793249	292.26				
49	Yamato-793250	1.51				
50	Yamato-793251	844				
51	Yamato-793252	4.61	How		20.2-69.9	Pl(An79.8-94.0)
52	Yamato-793253	216.70				
53	Yamato-793254	38.19				
54	Yamato-793255	29.88				
55	Yamato-793256	9.08				
56	Yamato-793257	11.00				
57	Yamato-793258	8.19				
58	Yamato-793259	8.01				
59	Yamato-793260	7.40				
60	Yamato-793261	3.67				
61	Yamato-793262	2.89				
62	Yamato-793263	2.03				
63	Yamato-793264	4.29				
64	Yamato-793265	4.96				
287	Yamato-793266	0.00				
65	Yamato-793267	0.79				
66	Yamato-793268	2.10				
67	Yamato-793269	2.00				
68	Yamato-793270	0.49				
69	Yamato-793271	0.88				
70	Yamato-793272	95.96				

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
71	Yamato-793273	97.22					
72	Yamato-793274	8.66					
73	Yamato-793275	57.00					to Y-793276
288	Yamato-793277	0.00					
74	Yamato-793278	253.27					
75	Yamato-793279	18.78					
76	Yamato-793280	28.38					
77	Yamato-793281	4.37					
78	Yamato-793282	1.11					
79	Yamato-793283	817					
80	Yamato-793284	397.56					
81	Yamato-793285	311.26					
82	Yamato-793286	24.80					
83	Yamato-793287	80.70					
84	Yamato-793288	32.97					
85	Yamato-793289	16.15					
86	Yamato-793290	16.50					
87	Yamato-793291	13.79					
88	Yamato-793292	13.76					
89	Yamato-793293	12.47					
90	Yamato-793294	10.11					
91	Yamato-793295	5.57					
92	Yamato-793296	5.47					
93	Yamato-793297	7.06					
94	Yamato-793298	4.04					
95	Yamato-793299	8.68					
96	Yamato-793300	3.80					
97	Yamato-793301	5.23					
98	Yamato-793302	5.51					
99	Yamato-793303	3.51					
100	Yamato-793304	2.72					
101	Yamato-793305	2.00					
102	Yamato-793306	2.14					
103	Yamato-793307	1.81					
104	Yamato-793308	1.36					
105	Yamato-793309	1.59					
106	Yamato-793310	1.71					
107	Yamato-793311	1.18					
108	Yamato-793312	1.38					
109	Yamato-793313	0.71					
110	Yamato-793314	0.70					
111	Yamato-793315	0.13					
112	Yamato-793316	2.48					
113	Yamato-793317	1.72					to Y-793318
114	Yamato-793319	2.80					
115	Yamato-793320	2.49					
116	Yamato-793321	379.73	C2	11.1(0.2-51.1)	1.3(0.5-5.4)		apatite
117	Yamato-793322	10.58					
118	Yamato-793323	25.47					
119	Yamato-793324	1.97					
120	Yamato-793325	41.69					
121	Yamato-793326	9.85					to Y-793327
122	Yamato-793328	3.44					
123	Yamato-793329	9.90					
124	Yamato-793330	1.19					
125	Yamato-793331	4.41					
126	Yamato-793332	7.49					
127	Yamato-793333	36.62					
128	Yamato-793334	5.90					
129	Yamato-793335	2.78					to Y-793336
130	Yamato-793337	302.20					
131	Yamato-793338	184.40					to Y-793366
132	Yamato-793367	1.48					
133	Yamato-793368	10.93					
134	Yamato-793369	43.63					
135	Yamato-793370	22.28					
136	Yamato-793371	4.84					
137	Yamato-793372	9.61					
138	Yamato-793372	78.01					
139	Yamato-793374	206.91					
140	Yamato-793375	4864					

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
141	Yamato-793376	19.33					
142	Yamato-793377	11.08					
143	Yamato-793378	62.12					
144	Yamato-793379	11.53					
145	Yamato-793380	4.68					
146	Yamato-793381	5.55					
147	Yamato-793382	5.67					
148	Yamato-793383	1.29					
149	Yamato-793384	12.19					
150	Yamato-793385	44.30					
151	Yamato-793386	132.64					
152	Yamato-793387	29.46					to Y-793389
153	Yamato-793390	19.97					to Y-793391
154	Yamato-793392	83.06					
155	Yamato-793393	4.29					
156	Yamato-793394	226.05					
157	Yamato-793395	3.12					
158	Yamato-793396	364.11					
159	Yamato-793397	254.38					
160	Yamato-793398	15.97					
161	Yamato-793399	9.60					
162	Yamato-793400	7.95					
163	Yamato-793401	2554					
164	Yamato-793402	161.39					
165	Yamato-793403	286.80					
166	Yamato-793404	6.19					
167	Yamato-793405	6.03					
168	Yamato-793406	4.49					
169	Yamato-793407	2.15					
170	Yamato-793408	1140					
171	Yamato-793409	539.61					
172	Yamato-793410	45.41					
173	Yamato-793411	48.92					
174	Yamato-793412	53.78					
175	Yamato-793413	14.08					
176	Yamato-793414	15.20					
177	Yamato-793415	9.71					
178	Yamato-793416	5.17					
179	Yamato-793417	6.91					
180	Yamato-793418	6.79					
181	Yamato-793419	1.01					
182	Yamato-793420	0.60					
183	Yamato-793421	188.82					
184	Yamato-793422	78.51					
185	Yamato-793423	106.09					
186	Yamato-793424	13.17					
187	Yamato-793425	13.28					
188	Yamato-793426	10.55					
189	Yamato-793427	59.31					to Y-793431
190	Yamato-793432	14.71					
191	Yamato-793433	3.08					
192	Yamato-793434	6.54					
193	Yamato-793435	25.21					to Y-793536
194	Yamato-793437	78.87					
195	Yamato-793438	20.41					to Y-793440
196	Yamato-793441	5.18					to Y-793442
197	Yamato-793443	10.43					
198	Yamato-793444	1099					
199	Yamato-793445	60.45					
200	Yamato-793446	6.59					
201	Yamato-793447	141.43					
202	Yamato-793448	242.48					
203	Yamato-793449	103.79					
204	Yamato-793450	21.90					to Y-793454
205	Yamato-793455	8.25					
206	Yamato-793456	9.32					
207	Yamato-793457	12.73					to Y-793458
208	Yamato-793459	16.23					to Y-793460
209	Yamato-793461	6.52					
210	Yamato-793462	4.60					to Y-793463

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
211	Yamato-793464	2833.98	L				to Y-793468
212	Yamato-793469	1.16					
213	Yamato-793470	101.41					
214	Yamato-793471	32.47					to Y-793473
215	Yamato-793474	13.51					to Y-793476
216	Yamato-793477	6.95					
217	Yamato-793478	12.59					to Y-793479
218	Yamato-793480	6.18					
219	Yamato-793481	72.17					
220	Yamato-793482	56.09					
221	Yamato-793483	105.32					
222	Yamato-793484	25.12					to Y-793486
223	Yamato-793487	35.61					to Y-793492
224	Yamato-793493	1.85					
225	Yamato-793494	2.12					
226	Yamato-793495	45.01	C	5.1(0.7-44.5)	4.0(1.3-23.3)		
227	Yamato-793496	4583					
228	Yamato-793497	69.06	How	28.7-33.5	14.6-60.9		Pl(An84.9-95.8)
229	Yamato-793498	43.01					
230	Yamato-793499	10.16					
231	Yamato-793501	305.66					
232	Yamato-793502	1.00					
233	Yamato-793503	17.83					to Y-793505
234	Yamato-793506	939					
235	Yamato-793507	9.41					
236	Yamato-793508	165.57					
237	Yamato-793509	4.62					
238	Yamato-793510	322.35					
239	Yamato-793511	14.29					
240	Yamato-793512	16.75					
305	Yamato-793513	12.26					
241	Yamato-793514	473.60					
242	Yamato-793515	440.73					
291	Yamato-793516	83.24					
292	Yamato-793517	92.63					
293	Yamato-793518	74.31					
294	Yamato-793519	50.87					
295	Yamato-793520	27.52					
296	Yamato-793521	30.93					
297	Yamato-793522	27.56					
298	Yamato-793523	13.25					
299	Yamato-793524	11.63					
300	Yamato-793525	9.51					
301	Yamato-793526	7.28					
302	Yamato-793527	3.94					
303	Yamato-793528	1.37					
304	Yamato-793529	1.58					
306	Yamato-793530	0.00					
243	Yamato-793531	5.04					
244	Yamato-793532	0.95					
245	Yamato-793533	510.32					
246	Yamato-793534	706					
247	Yamato-793535	411.47					
307	Yamato-793536	87.67					
308	Yamato-793537	56.91					
309	Yamato-793538	5.91					
248	Yamato-793539	1224					
249	Yamato-793540	6.68					
250	Yamato-793541	24.82	How		25.3-67.0		Pl(An82.2-95.1)
251	Yamato-793542	254.99					
252	Yamato-793543	20.49	How		25.5-66.3		Pl(An80.8-93.6)
253	Yamato-793544	21.68	How		24.1-61.0		Pl(An79.3-93.2)
254	Yamato-793545	37.22					
255	Yamato-793546	20.60	How		25.7-55.6		Pl(An80.3-95.0)
256	Yamato-793547	54.04					
257	Yamato-793548	62.33					
258	Yamato-793549	19.92	How		26.4-58.5		to Y-793550
259	Yamato-793551	87.07					
260	Yamato-793552	29.55					
261	Yamato-793553	13.92					to Y-793555
262	Yamato-793556	65.26					

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
263	Yamato-793557	5.62					
264	Yamato-793558	6.34					
265	Yamato-793559	2.34					
266	Yamato-793560	9.46					
267	Yamato-793561	5.63					
268	Yamato-793562	1.38					
269	Yamato-793563	27.73					
270	Yamato-793565	16.24					
271	Yamato-793566	3.68					
272	Yamato-793567	700					
273	Yamato-793568	3.43					
274	Yamato-793569	429.74					
275	Yamato-793570	43.56	Euc		24.2-58.9		Pl(An79.1-93.8)
276	Yamato-793571	33.13					to Y-793572
277	Yamato-793573	14.21					
278	Yamato-793574	88.35					
279	Yamato-793575	25.00					
280	Yamato-793576	1.38					
281	Yamato-793577	20.53					
282	Yamato-793578	3.48					
283	Yamato-793579	8.65					
284	Yamato-793580	37.82					
285	Yamato-793582	99.49					
286	Yamato-793583	8.87					
289	Yamato-793500	0.00					
310	Yamato-793564	0.00					
311	Yamato-793581	0.00					

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
1	Yamato-794001	97.38					
2	Yamato-794002	105.90	Euc	77.4-78.2	27.3-35.0		Pl(An80.4-94.2),En25.1-68.3Fs27.3-59.9Wo3.1-35.3
3	Yamato-794003	12.24					
4	Yamato-794004	11.92					
5	Yamato-794005	118.73					
6	Yamato-794006	257.07					
7	Yamato-794007	78.76					
8	Yamato-794008	19.82					
9	Yamato-794009	54.19					
10	Yamato-794010	24.56					
11	Yamato-794011	19.00					
12	Yamato-794012	14.31					
13	Yamato-794013	11.10					
14	Yamato-794014	5.48					
15	Yamato-794015	12.13					
16	Yamato-794016	28.61	Euc		36.7-59.7		Pl(An75.6-81.0),En31.2-39.2
17	Yamato-794017	29.34					
18	Yamato-794018	6.80					
19	Yamato-794019	1.47	C				
20	Yamato-794020	6.38					
21	Yamato-794021	5.7					
22	Yamato-794022	2.70					
23	Yamato-794023	25.82					
24	Yamato-794024	16.82					
25	Yamato-794025	56.24					
26	Yamato-794026	1.20					
27	Yamato-794027	2.02					
28	Yamato-794028	13.81					
29	Yamato-794029	26.11					
30	Yamato-794030	3.43					
31	Yamato-794031	12.59					
32	Yamato-794032	11.84					
33	Yamato-794033	3.05					
34	Yamato-794034	1.99					
35	Yamato-794035	1.79					
36	Yamato-794036	56.17					
37	Yamato-794037	7.11					
38	Yamato-794038	8.56					
39	Yamato-794039	42.72					
40	Yamato-794040	109.92					
41	Yamato-794041	25.37					
42	Yamato-794042	206.08					
43	Yamato-794043	88.69	Euc(pol)		47.3-60.5		Pl(An75.4-94.1),En30.2-64.7Fs27.0-60.5Wo2.2-42.8
44	Yamato-794044	1228					
45	Yamato-794045	105.74					
46	Yamato-794046	206.65	LL	19.4(18.2-20.4)	14.7(12.7-16.4)		clast, En58.3Fs10.9Wo30.8, Wo77.6Fs15.9Wo6.5
47	Yamato-794047	206.50					
48	Yamato-794048	61.36					to Y-794049
49	Yamato-794050	133.21					
50	Yamato-794051	832					
51	Yamato-794052	58.79					
52	Yamato-794053	92.27					
53	Yamato-794054	11.98					
54	Yamato-794055	143.29					
55	Yamato-794056	5.44					
56	Yamato-794057	6.49					
57	Yamato-794058	8.38					
58	Yamato-794059	46.68					
59	Yamato-794060	67.55					
60	Yamato-794061	52.04					
61	Yamato-794062	22.41					
62	Yamato-794063	32.79					
63	Yamato-794064	43.21					
64	Yamato-794065	19.85					
65	Yamato-794066	19.36					
66	Yamato-794068	9.36					
67	Yamato-794069	39.04					
68	Yamato-794070	10.39					
69	Yamato-794071	5.58					
70	Yamato-794072	3.34					

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
71	Yamato-794073	41.84					
72	Yamato-794074	8.13					
73	Yamato-794075	3.10					
74	Yamato-794076	4.69					
75	Yamato-794077	7.38					
76	Yamato-794078	16.53					
77	Yamato-794079	3.72					
78	Yamato-794080	21.11					
79	Yamato-794081	11.91					
80	Yamato-794082	1.88					
81	Yamato-794083	8.18					
82	Yamato-794084	1.51					
83	Yamato-794085	8.07					
84	Yamato-794086	4.72					
85	Yamato-794087	8.68					
86	Yamato-794088	3.76					
87	Yamato-794089	14.66					
88	Yamato-794090	10.48					
89	Yamato-794091	24.38					
90	Yamato-794092	41.83					
91	Yamato-794093	60.16					
93	Belgica-7901	3.58					
94	Belgica-7902	13.66					
95	Belgica-7903	185.30					
96	Belgica-7904	1234	C2				
97	Belgica-7905	5.01					

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
1	Yamato-8001	22.68	L6	24.4(23.82-24.7)	20.6(19.8-22.0)		
349	Yamato-8002	2.27	Lod	(3.5-3.9)	(3.5-4.0)		Pl(An25.6-28.4 Ab70.4-72.7 Or1.2-1.8), melt incl.(Ab84.3An1.1Or14.9)
2	Yamato-8003	20.43	L6	24.8(23.6-25.7)	20.2		Pl(An10.2-11.5) En46.8Fs9.3Wo45.9 maskl., chro.
3	Yamato-8004	77.59					
4	Yamato-8005	29.02					
5	Yamato-8006	21.58					
6	Yamato-8007	6.95					
7	Yamato-8008	3.42					
350	Yamato-8009	53.77	Dio(A)				to Y-74013
9	Yamato-8010	109.32	L6	23.5(22.9-24.3)	20.0(19.6-20.4)		apatite
10	Yamato-8011	571.16	L6				
11	Yamato-8012	12.15	L6				
12	Yamato-8013	12.46	L6				
13	Yamato-81001	2.54	Dio(A)				
14	Yamato-81002	3.73					
15	Yamato-81003	25.33					
16	Yamato-81004	11.38					
17	Yamato-81005	1.71					
18	Yamato-81006	19.77					
19	Yamato-81007	2.22					
20	Yamato-81008	33.14					
21	Yamato-81009	3.01					
22	Yamato-81010	1.27	C				
23	Yamato-81011	2.21					
24	Yamato-81012	380.65					
25	Yamato-81013	1.44					
26	Yamato-81014	8.36					
27	Yamato-81015	55.78					
28	Yamato-81016	1006.33					
29	Yamato-81017	14.06					
30	Yamato-81018	27.82					
31	Yamato-81019	54.88					
32	Yamato-81020	270.34	C30	0.2-65.9			
33	Yamato-81021	7.78					v.Yamato-81020
34	Yamato-81022	3.12					v.Yamato-81020
35	Yamato-81023	9.58					v.Yamato-81020
36	Yamato-81024	31.43					v.Yamato-81020
37	Yamato-81025	55.40					v.Yamato-81020
38	Yamato-81026	201.67					
39	Yamato-81027	11.47					
40	Yamato-81028	4.21					
41	Yamato-81029	3.50					
42	Yamato-81030	97.61					
43	Yamato-81031	30.98					
44	Yamato-81032	9.68					
45	Yamato-81033	14.89					
46	Yamato-81034	10.18					
47	Yamato-81035	3.73					
48	Yamato-81036	3.47					
49	Yamato-81037	52.07					
50	Yamato-81038	2.01					
51	Yamato-81039	22.12					
52	Yamato-81040	10.80					
53	Yamato-81041	3.54					
54	Yamato-81042	0.49					
55	Yamato-81043	1.26					
56	Yamato-81044	10.28					
57	Yamato-81045	5.89					
58	Yamato-81046	1.23					
59	Yamato-81047	3.24					
60	Yamato-81048	2.41					
61	Yamato-81049	2748					
62	Yamato-81050	12.77					
63	Yamato-81051	32.87					
64	Yamato-81052	3.94					
65	Yamato-81053	8.43					
66	Yamato-81054	1.08					
67	Yamato-81055	1.87					
68	Yamato-81056	3.47					
69	Yamato-81057	7.85					
70	Yamato-81058	395.02					

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
71	Yamato-81059	36.27					
72	Yamato-81060	17.18					
73	Yamato-81061	8.56					
74	Yamato-81062	4.39					
75	Yamato-81063	1.97					
76	Yamato-81064	6.85					
77	Yamato-81065	3.11					
78	Yamato-81066	2.21					
79	Yamato-81067	11.87					
80	Yamato-81068	1.65					
81	Yamato-81069	1.42					
82	Yamato-81070	430.83					
83	Yamato-81071	6.01					
84	Yamato-81072	8.04					
85	Yamato-81073	0.76					
86	Yamato-81074	1.42					
87	Yamato-81075	1161.37					
88	Yamato-81076	11.15					
89	Yamato-81077	5.99					
90	Yamato-81078	3.40					
91	Yamato-81079	2.26					
92	Yamato-81080	2.61					
93	Yamato-81081	2.93					
94	Yamato-81082	9.39					
95	Yamato-81083	2.13					
96	Yamato-81084	1.29					
97	Yamato-81085	2.33					
98	Yamato-81086	1.06					
99	Yamato-81087	2.02					
100	Yamato-81088	0.77					
101	Yamato-81089	1.61					
102	Yamato-81090	2.46					
103	Yamato-81091	1.49					
104	Yamato-81092	0.70					
105	Yamato-81093	0.71					
106	Yamato-81094	1.83					
107	Yamato-81095	1.25					
108	Yamato-81096	2.95					
109	Yamato-81097	0.54					
110	Yamato-81098	3.04					
111	Yamato-81099	2.78					
112	Yamato-81100	11.82					
113	Yamato-81101	6.66					
114	Yamato-81102	6.52					
115	Yamato-81103	5.48					
116	Yamato-81104	9.90					
117	Yamato-81105	12.91					
118	Yamato-81106	6.63					
119	Yamato-81107	1.16					
120	Yamato-81108	1.39					
121	Yamato-81109	3.48					
122	Yamato-81110	4.89					
123	Yamato-81111	2.03					
124	Yamato-81112	2.64					
125	Yamato-81113	1.24					
126	Yamato-81114	1.56					
127	Yamato-81115	1.84					
128	Yamato-81116	4.78					
129	Yamato-81117	0.91					
130	Yamato-81118	6.55					
131	Yamato-81119	1.47					
132	Yamato-81120	4.15					
133	Yamato-81121	1.31					
134	Yamato-81122	1.08					
135	Yamato-81123	1.58					
136	Yamato-81124	10790	H	17.3(16.3-18.3)	14.9(14.3-15.9)		
137	Yamato-81125	2.58					
138	Yamato-81126	5.11					
139	Yamato-81127	58.38					
140	Yamato-81128	6.53					

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
141	Yamato-81129	1.59					
142	Yamato-81130	0.72					
143	Yamato-81131	71.15					
144	Yamato-81132	6607	H5	18.2(17.5-19.2)	16.3(15.5-17.0)		En48.0 Fs5.7 Wo46.4, merri,apatite
145	Yamato-81133	64.41					

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
146	Yamato-82001	0.63					
147	Yamato-82002	6.99					
148	Yamato-82003	1.38					
149	Yamato-82004	2.48					
150	Yamato-82005	8.44					
151	Yamato-82006	5.35					
152	Yamato-82007	12.03					
153	Yamato-82008	4.27					
154	Yamato-82009	6.25	Euc(pol)		(25.2-67.3)		Pl(An79.2-93.0),En13.8-71.5Fs25.2-67.3Wo3.3-40.5
155	Yamato-82010	7.38	Euc		(26.4-34.8)		Pl(An64.7-91.6),En10.8-69.3Fs26.4-55.7Wo4.0-44.1
156	Yamato-82011	10.93					
157	Yamato-82012	2.08					
158	Yamato-82013	0.16					
159	Yamato-82014	3.30					
160	Yamato-82015	3.85	Euc		(26.6-43.6)		Pl(An79.7-93.5),En11.6-69.5Fs22.6-55.6Wo3.0-32.4
161	Yamato-82016	4.65					
162	Yamato-82017	51.77					
163	Yamato-82018	3.68					
164	Yamato-82019	157.92					
165	Yamato-82020	13.00					
166	Yamato-82021	13.44	Dio(A)				to Y-74013
167	Yamato-82022	23.04	Dio(A)				to Y-74013
168	Yamato-82023	8.20					
169	Yamato-82024	420.49	L6	23.9(23.4-24.3)	20.4(19.6-21.0)		Pl(An10.3), merri, apatite
170	Yamato-82025	6.81					
171	Yamato-82026	119.36	H5	18.5(16.6-20.6)	16.2(15.0-17.1)		
172	Yamato-82027	27.81	Dio(A)				to Y-74013
173	Yamato-82028	4.14					
174	Yamato-82029	4.92					
175	Yamato-82030	2.91					
176	Yamato-82031	5.14					
177	Yamato-82032	6.39					
178	Yamato-82033	21.06					
179	Yamato-82034	22.44					
180	Yamato-82035	85.39					
181	Yamato-82036	307.66	L6	25.1(24.4-25.6)	20.7(19.6-21.3)		
182	Yamato-82037	45.43	Euc		(57.6-59.3)		Pl(An89.9-92.2),En34.6-37.5Fs45.2-59.3Wo4.3-19.3
183	Yamato-82038	199.90	H3	11.2(1.3-30.1)	8.3(3.0-13.6)		
184	Yamato-82039	3.31					
185	Yamato-82040	26.63					
186	Yamato-82041	137.94					
187	Yamato-82042	37.08	C1	(0.2-35.4)			
188	Yamato-82043	96.18	L6	24.5(23.7-25.3)	20.5(19.4-21.2)		clast(Fa24.5), Pl(An6.0-10.7)
189	Yamato-82044	33.74					
190	Yamato-82045	76.48					
191	Yamato-82046	7.51					
192	Yamato-82047	27.13					
193	Yamato-82048	1.59					
194	Yamato-82049	115.35	Euc		(22.3-61.9)		
195	Yamato-82050	1906.61					
196	Yamato-82051	3.76					
197	Yamato-82052	70.32	How		(19.9-64.5)		Pl(An79.2-95.9),En28.1-76.8Fs19.9-64.5Wo1.5-42.5
198	Yamato-82053	2100					
199	Yamato-82054	0.00	C				
200	Yamato-82055	946.75	L3	24.1(8.8-25.9)	15.3(3.3-38.1)		apatite, merrillite
201	Yamato-82056	913.79					
202	Yamato-82057	123.08					
348	Yamato-82058	127.95	L3	21.2(6.4-25.7)	13.4(4.6-25.4)		
203	Yamato-82059	136.70					
204	Yamato-82060	11.14					
205	Yamato-82061	148.74	H4	19.0(17.8-19.8)	16.3(15.0-18.6)		
206	Yamato-82062	26.13					
207	Yamato-82063	35.00					
208	Yamato-82064	4.93					
209	Yamato-82065	189.86					
210	Yamato-82066	191.40	Euc		(53.6-59.1)		Pl(An88.6-93.2),En29.6-42.4Fs53.6-59.1Wo2.1-41.5
211	Yamato-82067	14.68					
212	Yamato-82068	30.07					
213	Yamato-82069	27.35					
214	Yamato-82070	50.58					
215	Yamato-82071	13.89	L4	23.8(22.7-24.6)	19.8(18.7-23.3)		

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
216	Yamato-82072	18.79					
217	Yamato-82073	13.29					
218	Yamato-82074	19.29	Dio(A)				to Y-82075(Y-74013)
219	Yamato-82076	11.38					
220	Yamato-82077	99.54					
221	Yamato-82078	6.17					
222	Yamato-82079	13.95					
223	Yamato-82080	11.62					
224	Yamato-82081	939.27					
225	Yamato-82082	662.28	Euc		(55.2-60.3)		Pl(An62.8-93.7),En30.9-42.1Fs7.8-60.8Wo2.4-41.3
226	Yamato-82083	25.84					
227	Yamato-82084	18.05					
228	Yamato-82085	24.46					to Y-82089
229	Yamato-82090	0.00	C.C.				
230	Yamato-82091	108.35	How	(9.3-16.8)	(22.1-69.0)		Pl(An64.7-95.4) En20.3-74.0Fs22.1-69.0Wo1.8-41.3
231	Yamato-82092	92.40					
232	Yamato-82093	26.29					
233	Yamato-82094	216.59	C30	0.2-30.9	(0.5-1.3)		
234	Yamato-82095	710.18	L3	24.6(18.1-27.2)	12.4(4.8-21.4)		
235	Yamato-82096	168.51		24.9(21.9-29.4)	15.7(4.3-34.1)		
236	Yamato-82097	1.40					
237	Yamato-82098	0.00	C.C.				
238	Yamato-82099	0.00	C.C.				
239	Yamato-82100	12.36	Ure	(2.8-17.6)			
240	Yamato-82101	30.60					
241	Yamato-82102	0.00	C.C.				
242	Yamato-82103	0.00	C.C.				
243	Yamato-82104	9.83	C5	29.9(28.9030.8)	26.1(25.1-26.9)		Pl(An21.0-55.4)
244	Yamato-82105		c				
245	Yamato-82106	26.24	Terrist				
246	Yamato-82107	28.31					
247	Yamato-82108	0.26					
248	Yamato-82109	6.31					
249	Yamato-82110	16.66					
250	Yamato-82111	9011					
251	Yamato-82112	9.14					
252	Yamato-82113	8.13					
253	Yamato-82114	0.14					
254	Yamato-82115	1.13					
255	Yamato-82116	39.83					to Y-82118
256	Yamato-82119	6.79					
257	Yamato-82120	8.12					to Y-82121
258	Yamato-82122	1521.80					
259	Yamato-82123	7.99					
260	Yamato-82124	3.88					
261	Yamato-82125	5.38					
262	Yamato-82126	23.45					
263	Yamato-82127	14.96					
264	Yamato-82128	17.15					
265	Yamato-82129	6.00					
266	Yamato-82130	23.11					
267	Yamato-82131	11.93					
268	Yamato-82132	12.07					
269	Yamato-82133	93.28	H3	15.4(0.6-27.8)	11.4(0.5-37.6)	C	
270	Yamato-82134	8.90					
271	Yamato-82135	1.13					
272	Yamato-82136	19.70					
273	Yamato-82137	25.05					
274	Yamato-82138	8.80					
275	Yamato-82139	2.68					
276	Yamato-82140	2.10					
277	Yamato-82141	2.90					
278	Yamato-82142	5.48					
279	Yamato-82143	9.32					
280	Yamato-82144	60.23					
281	Yamato-82145	26.45					
282	Yamato-82146	1.08					
283	Yamato-82147	25.81					
284	Yamato-82148	5.47					
285	Yamato-82149	15.11					
286	Yamato-82150	9.18					

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene *	Comments
287	Yamato-82151	5.83				
288	Yamato-82152	7.35				
289	Yamato-82153	67.00				
290	Yamato-82154	3.11				
291	Yamato-82155	8.15				
292	Yamato-82156	43.51				
293	Yamato-82157	28.67				
294	Yamato-82158	3.92				
295	Yamato-82159	5.04				
296	Yamato-82160	3.08				
297	Yamato-82161	757.56	H6	18.7(17.5-19.5)	16.6(15.6-24.4)	
298	Yamato-82162	0.00	C.C.			
299	Yamato-82163	3622				
300	Yamato-82164	398.66				
301	Yamato-82165	35.90				
302	Yamato-82166	25.67				
303	Yamato-82167	11.33				
304	Yamato-82168	7.61				
305	Yamato-82169	1.50				
306	Yamato-82170	3.17				
307	Yamato-82171	10.97				
308	Yamato-82172	3.20				
309	Yamato-82173	2.11				
310	Yamato-82174	3.28				
311	Yamato-82175	2.32				
312	Yamato-82176	0.96				
313	Yamato-82177	1122.64				
314	Yamato-82178	884.60				
315	Yamato-82179	56.02				
316	Yamato-82180	30.28				
317	Yamato-82181	39.84	H5	18.2	15.8	
318	Yamato-82182	227.64	H4	18.4(17.4-23.9)	16.6(15.3-23.0)	
319	Yamato-82183	15.60				
320	Yamato-82184	4.79				
321	Yamato-82185	84.49				
322	Yamato-82186	16.48				
323	Yamato-82187	1238.83				
324	Yamato-82188	2581				
325	Yamato-82189	43.59				
326	Yamato-82190	1.70				
327	Yamato-82191	0.00				
328	Yamato-82192	36.67	Ano(Br)	(6.8-89.1)	(8.1-57.6)	Pl(An83.0-98.2)
329	Yamato-82193	27.04	Ano(Br)	(48.7-81.1)	(16.2-47.0)	Pl(An88.3-97.8)
330	Yamato-82194	0.75				
331	Yamato-82195	25.24				
332	Yamato-82196	3.60				
333	Yamato-82197	5.29	Euc		33.4	Pl(An74.7-94.0),En10.8-61.8Fe33.4-45.1Wo4.8-28.7
334	Yamato-82198	31.93				
335	Yamato-82199	3.80				
336	Yamato-82200	3.39				
337	Yamato-82201	2.03				
338	Yamato-82202	11.00	Euc		52.3	Pl(An70.3-90.8), Eu18.2-62.1Fs31.5-60.1Wo4.8-28.0
339	Yamato-82203	7.37				
340	Yamato-82204	6.34				
341	Yamato-82205	8.09				
342	Yamato-82206	1.55				
343	Yamato-82207	1.45				
344	Yamato-82208	5.31	H3	14.2(0.8-31.6)	11.4(2.2-41.2)	En75.8Fs17.2Wo7.0
345	Yamato-82209	46.73	Euc		(25.4-47.5)	Pl(An77.3-95.5),En13.9-68.9Fs25.4-59.8Wo3.1-43.4
346	Yamato-82210	36.69	Euc		(25.5-34.6)	Pl(An78.1-93.5),En26.5-70.8Fs25.5-63.4Wo3.7-33.1
347	Yamato-82211	62.00	Dio(A)			to Y-74013

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
1	Yamato-8301	88.52					
2	Yamato-8302	7.79					
3	Yamato-8303	3.57					
4	Yamato-8304	29.67					
102	Yamato-8305	2.60					
5	Yamato-8306	16.06					
6	Yamato-8307	3.37					
7	Yamato-8308	8.32					
8	Yamato-8309	13.90					
9	Yamato-8310	10.65					
10	Yamato-8311	13.48					
11	Yamato-8312	5.94					
12	Yamato-8313	3.41					
13	Yamato-8314	5.30					
14	Yamato-8315	5.22					
15	Yamato-8316	53.42					
16	Yamato-8317	6.91					
17	Yamato-8318	3.78					
19	Yamato-8319	2.83					
20	Yamato-8320	6.30					
21	Yamato-8321	1.33					
22	Yamato-8322	1.14					
23	Yamato-8323	3.41					
24	Yamato-8324	2.85					
25	Yamato-8325	1.64					
26	Yamato-8326	1.34					
27	Yamato-8327	1.80					
28	Yamato-8328	0.36					
29	Yamato-8329	3.28					
30	Yamato-8330	0.14					
31	Yamato-8331	2.44					
32	Yamato-8332	0.57					
33	Yamato-8333	0.012					
34	Yamato-8334	0.55					
35	Yamato-8335	3.06					
36	Yamato-8336	1.73					
37	Yamato-8337	3.56					
38	Yamato-8338	6.66					
39	Yamato-8339	1.34					
40	Yamato-8340	11.43					
41	Yamato-8341	1.94					
42	Yamato-8342	0.052					

Table 4. Contiuned

	Meteorite Name	Weight(g)	Class	%Fa in olivine	%Fs in pyroxene	*	Comments
43	Yamato-8401	14.07					
44	Yamato-8402	4.39					
45	Yamato-8403	2.51					
46	Yamato-8404	10.70					
47	Yamato-8405	3.38					
48	Yamato-8406	0.12					
49	Yamato-8407	0.38					
50	Yamato-8408	0.02					
51	Yamato-8409	27.66					
52	Yamato-8410	1427.07					
53	Yamato-8411	68.84					
54	Yamato-8412	5.63					
55	Yamato-8413	0.66					
56	Yamato-8414	68.58					
57	Yamato-8415	5.17					
58	Yamato-8416	0.00					
59	Yamato-8417	8.18					
60	Yamato-8418	19.22					
61	Yamato-8419	4.77					
62	Yamato-8420	35.83					
63	Yamato-8421	21.08					
64	Yamato-8422	2.24					
65	Yamato-8423	7.90					
66	Yamato-8424	9.46					
67	Yamato-8425	7.40					
68	Yamato-8426	128.05					
69	Yamato-8427	64.14					
70	Yamato-8428	3.65					
71	Yamato-8429	44.81					
72	Yamato-8430	4.50					
73	Yamato-8431	1.35					
74	Yamato-8432	6.07					
75	Yamato-8433	2.76					
76	Yamato-8434	31.38					
77	Yamato-8435	6748.					
78	Yamato-8436	3.70					
79	Yamato-8437	1.56					
80	Yamato-8438	1.89					
81	Yamato-8439	60.80					
82	Yamato-8440	4.11					
83	Yamato-8441	2.13					
84	Yamato-8442	4.25					
85	Yamato-8443	6.06					
86	Yamato-8444	0.20					
87	Yamato-8445	4.99					
88	Yamato-8446	88.17					
89	Yamato-8447	5.86					
90	Yamato-8448	53.35					
91	Yamato-8449	14.50					
92	Yamato-8450	0.00					
93	Yamato-8451	0.00					
94	Yamato-8452	0.00					
95	Yamato-8453	0.00					
96	Yamato-8454	0.00					
97	Yamato-8455	0.00					
98	Yamato-8456	0.00					
99	Yamato-8457	79.30					
100	Yamato-8458	6.05					
101	Yamato-8459	5.72					